DOCUMENT RESUME

ED 060 910 LI 003 578

AUTHOR	Billingsley, Alice, Comp.
TITLE	Bibliography of Library Automation.
INSTITUTION	ERIC Clearinghouse on Library and Information Sciences, Washington, D.C.
PUB DATE	71
NOTE	24p.; (659 References); ERIC/CLIS Series 3
JOURNAL CIT	American Libraries; v3 n3 p.289-312 Mar 1972
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	Abstracting; Bibliographies; Cataloging; Indexing; Information Retrieval; Library Acquisition; *Library Automation; Library Circulation; Library Reference Services; Library Services; Library Standards; *Library Technical Processes; Serials

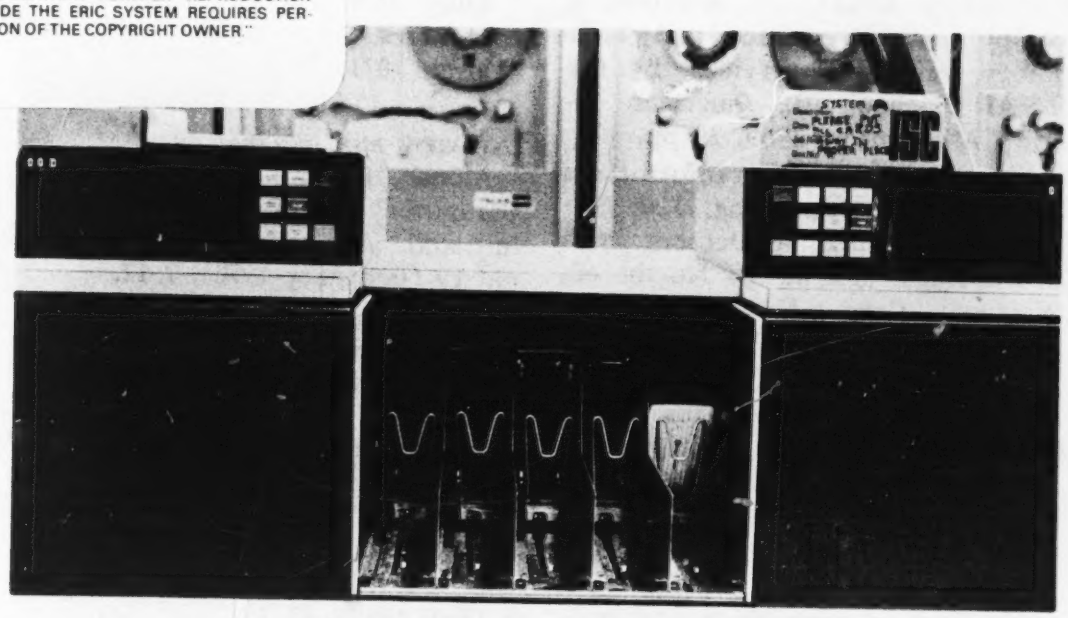
ABSTRACT

This is a selective bibliography covering journal literature, trade publications, monographs, technical reports, and other documents which are readily available. The bibliography covers publications dated 1969 through 1971. Although material published in languages other than English was not actively sought, some references have been cited to call attention to work in the field conducted by non-English speaking countries. The bibliography has been categorized under subject headings which reflect the broad parameters of subject interests in the field. Items are listed under one category only. News notes and brief articles have generally been omitted unless of particular interest. (Author/NH)

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

"PERMISSION TO REPRODUCE THIS COPYRIGHTED MATERIAL HAS BEEN GRANTED BY
American Library Association
TO ERIC AND ORGANIZATIONS OPERATING UNDER AGREEMENTS WITH THE U.S. OFFICE OF EDUCATION. FURTHER REPRODUCTION OUTSIDE THE ERIC SYSTEM REQUIRES PERMISSION OF THE COPYRIGHT OWNER."

ED 060910



ERIC-CLIS Series 3

Bibliography of Library Automation

Compiled by
Alice Billingsley

LI 003 578

This bibliography was prepared pursuant to a contract with the Office of Education, U.S. Department of Health, Education, and Welfare. Contractors undertaking such projects under government sponsorship are encouraged to express freely their judgment in professional and technical matters. Points of view or opinions do not, therefore, necessarily represent official Office of Education position or policy.

INTRODUCTION

This bibliography has been compiled as an updating of the bibliography by Charlene Mason which appeared in the *ALA Bulletin*, September 1969 (pp. 1117–1134). It is a selective bibliography covering journal literature, trade publications, monographs, technical reports, and other documents which are readily available. The bibliography covers publications dated 1969 through 1971. Although material published in languages other than English was not actively sought, some references have been cited to call attention to work in the field conducted by non-English speaking countries. The bibliography has been categorized under subject headings different from those of previous bibliographies to reflect the broadened parameters of subject interests in the field. Items are listed under one category only. News notes and brief articles have generally been omitted unless of particular interest.

In addition to the information on availability given for many times individually, items bearing an AD or PB number are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22151. Items with an ED number may be ordered from the ERIC Document Reproduction Service, P.O. Drawer O, Bethesda, MD 20014. Prices are $.65 for each microfiche title, and $3.29 for each increment of 100 pages for hard copy. Book rate or library rate postage is included in the above prices and payments must accompany orders amounting to less than $10. Orders must be placed by ED number and include specification of microfiche or hard copy.

The assistance of Josephine Pulsifer, director, Library Systems Department, Becker and Hayes, Inc., in reviewing this bibliography is gratefully acknowledged.

BIBLIOGRAPHIES

American Library Association. Ref-

erence Services Division. Science and Technology Reference Services Committee. Guide to a selection of computer-based science and technology reference services in the U.S.A. Chicago, Ill., American Library Association, 1969. 29 pp.

American Society for Information Science. Annual meeting, 32d, San Francisco, California, October 1969. Proceedings. Jeanne B. North, ed. Westport, Conn., Greenwood Publishing Corp., 1969. 532 pp.

Annual review of information science and technology. Carlos A. Cuadra, ed. Vol. 4–6. Chicago, Ill., Encyclopaedia Britannica, 1969–1971. [Several chapters in each volume include extensive bibliographies.]

Brown, W. Reading and reference guide: library automation and newer educational media. Illinois Libraries 51 (April 1969), 275–79.

Cayless, C.F. and H. Potts, comps. Bibliography of library automation, 1964–1967. British National Bibliography, 1969. 107 pp.

Garrison, L. Automation and published materials for research; published sources, articles and monographs. Libri 19:2 (1969), 92–101.

Mason, Charlene, comp. Bibliography of library automation. (ERIC/CLIS bibliography series no. 2) ALA Bulletin 63 (September 1969), 1117–34.

Wilson, C.W.J. A Bibliography on UK computer based circulation systems. Program 4 (April 1970), 55–60.

HISTORY AND ARCHIVES

Bever, Arley T. The duality of quick and archival communication. Journal of Chemical Documentation 9 (February 1969), 3–6.

Burke, F. G. Automation and historical research. Libri 19:2 (1969), 81–89.

Fisher, B. Byproducts of computer processing. Library Journal 94 (1 September 1969), 215–23.

Grimes, George. Information services: a survey of the history and present status of the field. MOREL Regional Information System for Educators. Detroit, Mich., Michigan-Ohio Regional Education Lab., Inc., July, 1969. 35 pp. ED 034 560.

Kilgour, Frederick G. History of library computerization. Journal of Library Automation 3 (September 1970), 218–29.

Rhoads, J.B. Historian and the new technology. American Archivist 32 (July 1969), 209–13.

Ruby, H.V. From Callimachus to computers. Illinois Libraries 53 (March 1971), 220–28.

OVERVIEW AND GENERAL

Alonso, J.F.R. and P.A.G. Alonso. Computer terminology for the uninitiated. Australian Library Journal 19 (February 1970), 7–12.

American Library Association. Reference Services Division. Science and Technology Reference Services Committee. Review of computer-based information services [methodology of producing the guide to a selection of computer-based science and technology reference services in the U.S.A.]. Reference Quarterly 9 (Fall 1969), 45–7.

Anderson, Sister Joseph Marie and William D. Sims. Automation adopted. Catholic Library World 47 (March 1970), 429–37.

Automation in libraries. Papers presented at the Canadian Association of College and University Libraries workshop on library automation in a preconference workshop of Canadian Library Association at Hamilton, 1970. Ottawa, Ontario, Canadian Library Association, 1970. 153 pp. ED 046 450.

Ayres, F.H. Some basic laws of library automation. Program 2 (April 1970), 68–75.

Balmforth, C.K. and N.S.M. Cox, eds. Interface: library automation with special reference to computing activity. New York, N.Y., Ariel Press, 1970. 240 pp.

Bassett, Robert J., ed. University of Tennessee library lectures, numbers nineteen, twenty and twenty-one, 1967–1969. Knoxville, University of Tennessee, 1969. 53 pp. ED 045 106.

Bryant, J.C. Garbage in, garbage out: librarian's data processing seminar. Mississippi Library News 34 (June 1970), 92–4.

Burgess, Thomas K. Old and new design philosophies used in library automation. ALA Bulletin 63 (October 1969), 1265–67.

Chapman, Edward A., Paul L. St. Pierre and John Lubans, Jr. Library system analysis guidelines. New York, N.Y., John Wiley, 1970. 226 pp.

Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, May, 1968. Proceedings. Dewey E. Carroll, ed. Urbana, University of Illinois, Graduate School of Library Science, 1969. 235 pp.

Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, 1969. Proceedings. Dewey E. Carroll, ed. Urbana, University of Illinois, Graduate School of Library Science, 1970. 149 pp.

Cook, Brenda M. Libraries and computers: a personal impression of the conference held at the University of Strathclyde, 1969. Scottish Library Association News 89 (January-February 1969), 238+ pp.

Cuadra, Carlos A. Libraries and technological forces affecting them. ALA Bulletin 63 (June 1969), 759–68.

Cumberbirch, R.J.E. The development of computer-based information systems. Research in Librarianship 2 (January 1969), 97–9.

Fielding, Derek. American automation updated. Library Journal 94 (September 1969), 2881–85.

Flavell, P.J. and J.O. Jenkins. Working party on library mechanization. Final report. University of Kent at Canterbury, Eng., January 1969. 45 pp.

Grems, M.D. and V.I. Minkel. A remote access editing system in a library environment. AEDS Journal 3 (1969–70), 89–97.

Guha, B., T.N. Rajan and A.R. Chakraborty. Automation in libraries: a short review. Annals of Library Science Documentation 16 (June 1969), 59–73.

Hakli, Esko. Tieteellisten kirjastojen tielokonesovelluksia [General survey of using computers in libraries]. Kirjatolehti 4 (1971), 146–53.

Hayes, Robert M. and Joseph Becker. Handbook of data processing for libraries. New York, N.Y., John Wiley, 1970. 997 pp.

Heiliger, E.M. and P.B. Henderson. Library automation: experience, methodology, and technology of the library as an information system. New York, N.Y., McGraw Hill, 1971. 333 pp.

Henley, J.P. Computer-based library and information systems. New York, N.Y., American Elsevier, 1970. 84 pp.

Knight, Douglas M. and E. Shepley Nourse, eds. Libraries at large: tradition, innovation and the na-

tional interest. New York, N.Y., R.R. Bowker Company, 1969. 650 pp.

Le Du, Jacques and M.L. Deribere-Desgardes. Le support physique d'informations pour les differentes operations mechanisees d'informatique documentaire et de gestion de bibliotheques: exemple base sur l'emploi de la bande perforee. [The physical recording medium used for information systems and library automation: an example based on punched tape.] Documentaliste 7 (September–December 1970), 17–25.

Libraries and automation: a symposium. Pauline A. Atherton, ed. Syracuse, N.Y., University of Syracuse, School of Library Science, 1970. 3 pp.

Library automation: a state-of-the-art review. Preconference institute on library automation, San Francisco, Calif., June, 1967. Proceedings. Stephen R. Salmon, ed. Chicago, Ill., American Library Association, 1969. 175 pp.

Library systems and subsystems. *In* Myers, C.A. Computers in knowledge-based fields. Cambridge, Mass., MIT Press, 1970, 35–51.

Lingenberg, Walter. Elektronische datenverarbeitung in bibliotheken [Electronic data processing in libraries]. Umschau 69:9 (1969), 271–73.

Lingenberg, Walter. Seminar on electronic data processing in libraries, Regensburg, 1970. Unesco Bulletin for Libraries 24 (November–December 1970), 305–08.

Markuson, Barbara Evans. An overview of library systems and automation. Datamation, 16 (February 1970), 60–8.

Mason, E.G. Great gas bubble prick't: or, computers revealed—by a gentleman of quality. College & Research Libraries 32 (May 1971), 183–96.

Meadow, Charles T. Man-machine communication. New York, N.Y., John Wiley, Interscience, 1970. 496 pp.

New, Debra. A survey of automated activities in the libraries of the U.S. and Canada. The LARC Association, January 1970, 71 pp.

Overmyer, LaVahn. Library automation: a critical review. U.S. Office of Education, Bureau of Research, 1969. 334 pp. ED 034 107.

Parker, Ralph H. Library automation. *In* Annual review of information science and technology. Carlos A. Cuadra, ed. Vol. 5. Chicago, Ill., Encyclopaedia Britannica, 1970. 193–222.

Patrinostro, Frank S., and others. A survey of automated activities in the libraries of the U.S. and Canada. 2nd Edition. Tempe, Ariz., Library Automation Research and Consulting Association, 1971. 131 pp.

Reader in library services and the computer. Louis Kaplan, ed. Washington, D.C., NCR/Microcard Editions, 1971. 239 pp.

Schwarz, G. and H.J. Meister. Möglichkeiten für die modernisierung der materielltechnischen basis der bibliotheken [Possibilities of modernizing materials and methods in libraries]. Zentralblatt für Bibliothekswesen 83 (January 1969), 3–16.

Sims, William E. Preview of 1979: communications and the computer. Journal of Data Management 7 (September 1969), 20–3.

Smith, Gloria L. and Robert S. Meyer, eds. Library use of computers; an introduction. New York, N.Y., Special Libraries Association, 1969. 114 pp.

Stevens, Mary Elizabeth. Research and development in the computer and information sciences, vol. 2. Processing, storage, and output requirements in information processing systems: a selective literature review. Washington, D.C., National Bureau of Standards. NBS Monograph 113 (May 1970) 134 pp.

Stummvoll, J.L. Elektronik in bibliotheken und kritik [Electronics in libraries and criticism]. Biblos 18:3 (1969), 159–79.

Suhnold, K.H. Anwendung der elektronischen datenverarbeitung in bibliotheken [Use of electronic data processing in libraries]. Bibliothekar 23 (June 1969), 627–31.

System Development Corp. Library and documentation systems capabilities. Santa Monica, Calif. March 1969. 31 pp. (TM-4241)

Texas conference on library automation, 2nd, Houston, Texas, March 1969. Proceedings, John B. Corbin, ed. Acquisitions Round Table of the Texas Library Association, 1969. 78 pp. ED 031 283.

Titley, D.J. Library technician and automation. *In* Library Technical Assistant. Louisville, Kentucky, Spalding College, Department of Library Science, 1970. 35–7.

Veaner, Allen B. The application of computers to library technical processing. College & Research Libraries 31 (January 1970), 36–42.

Voight, Melvin J., ed. Advances in librarianship, vol. 1. New York, N.Y., Academic Press, 1970. 307 pp.

Warheit, I.A. The small computer and the library. *In* American Society for Information Science. Annual meeting, 33rd, Philadelphia, October, 1970. Proceedings, vol. 7. 91–3.

Warheit, I.A. When some library systems fail—is it the system, or the librarian? Wilson Library Bulletin 46 (September 1971), 52–8.

Ziman, J.M. Information, communication, knowledge, Nature 224 (25 October 1969), 318–24.

NATIONAL AND FOREIGN STUDIES

Avram, Henriette D. Four viewpoints: the national scene. *In* Catholic Library Association. College and University Libraries Section Meeting, Boston, Mass., April 1970. Proceedings. 22–30.

Bearman, H.K. Gordon. Automation i engelske biblioteker; foredrag fra den Angloskandinaviske konference, Finland, 1970. [Automation in British libraries; talk given at the Anglo-Scandinavian Conference in Finland 1970.] Bogens Verden 53 (1971), 18–22.

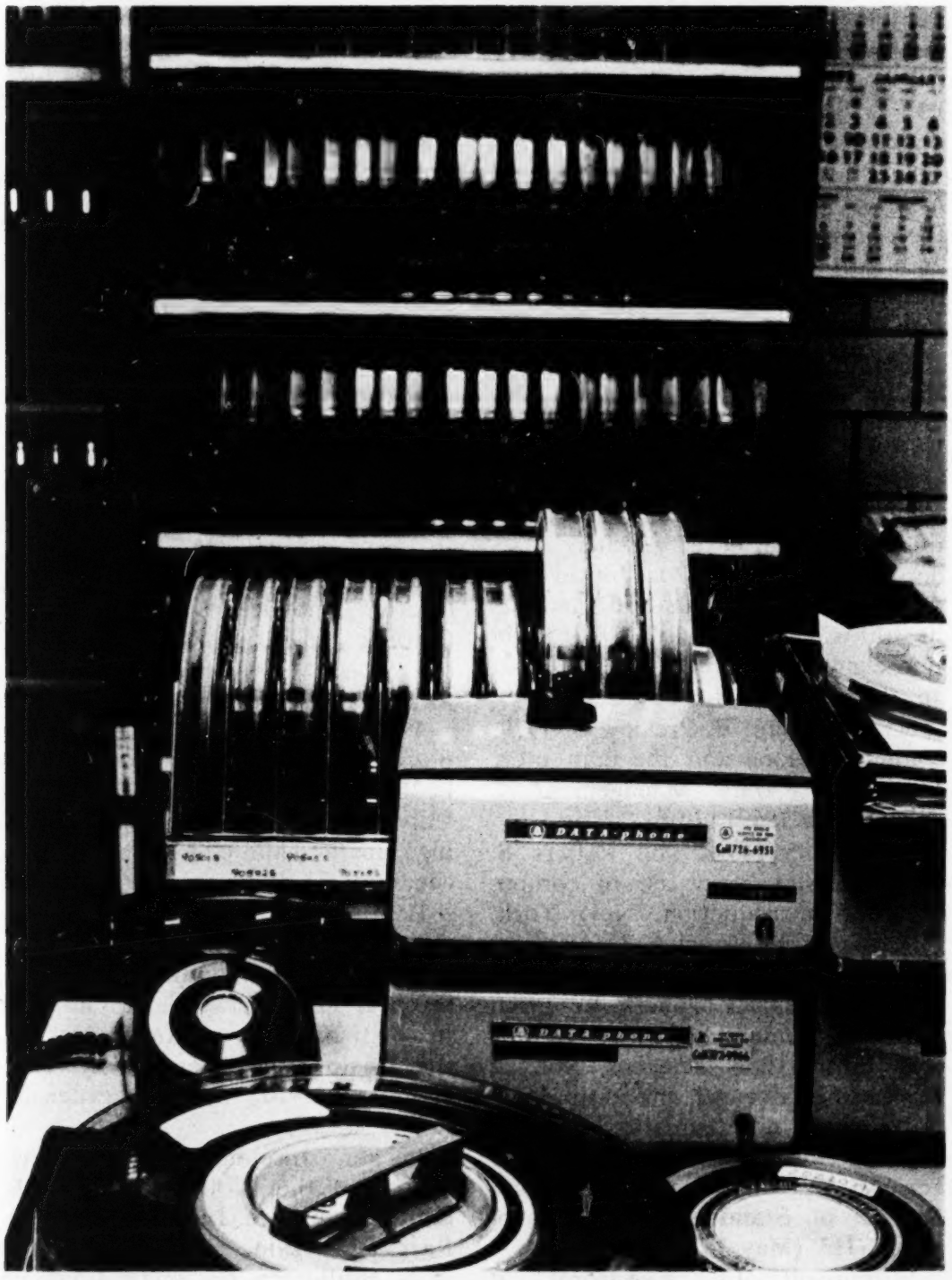
Becker, Joseph. Automation activities at the Biblioteca Nazionale Centrale, Firenze. *In* Maltese, Diego. Razionalizzazione e automazione nella Biblioteca Nazionale Centrale de Firenze. Firenze, Italia, Biblioteca Nazional Centrale, 1970. 85–140.

Bhatia, S. Library automation: inventory and prospects. Indian Librarian 25 (December 1970), 126–39.

Committee on Scientific and Technical Communication (SATCOM), Scientific and technical communication: a pressing national problem and recommendations for its solution. Washington, D.C., National Academy of Sciences, 1969. 332 pp.

Dubester, Henry. Introduction to issue on problems in designing a national program on library automation. Library Trends 18 (April 1970), 427–31.

Finzi, John Charles. Report of a survey of the National Central Library, Florence, November/December, 1967. *In* Maltese, Diego. Ra-



zionalizzazione e automazione nella Biblioteca Nazionale Centrale di Firenze. Firenze, Italia, Biblioteca Nazionale Centrale, 1970. 37–84.

Great Britain National Libraries Committee. Report of the National Libraries Committee. [Dainton Report]. London, Eng., Her Majesty's Stationery Office, 1969. 320 pp.

Heer, T. de. Databaserad dokumentation; raport rörande besök i Skandinavien [Computer-based documentation; report of a visit to Scandinavia]. Tidskrift för Dokumentation 25:3 (1969), 44–7.

Kesavan, D.S. Organization of national documentation and information services in India. Library Trends 17 (January 1969), 231–44.

Kilgour, Frederick G. Library computerization in the United Kingdom. Journal of Library Automation 2 (September 1969), 116–24.

Kimber, Richard T. Library automation in Britain. Libri 19:4 (1969), 292–303.

Kingwill, D.G. The organization of national documentation and information services in South Africa. Library Trends 17 (January 1969), 267–79.

Lazerow, Samuel. National collaboration and the National Libraries Automation Task Force; a course toward compatibility. *In* Stanford conference on collaborative library systems development, Stanford University, Calif., October, 1968. Proceedings. Stanford University Libraries, 1969. 55–69. Discussion, 70–4.

Lee, Hwa-Wei. Library Mechanization at the Asian Institute of Technology. International Library Review 3 (June 1971), 257–70.

Line, Maurice. Automation and the national libraries. Times Library Supplement 3954 (January 1971), 58.

Lingenberg, Walter. Computereinsatz in Bibliotheken der Bundesrepublik Deutschland [Computer use in libraries of the German Federal Republic]. Zeitschrift für Bibliothekswesen und Bibliographie 16:1 (1969), 1–23.

Maltesa, Diego. Razionalizzazione e automazione nella Biblioteca Nazionale Centrale di Firenze. Firenze, Italia, Biblioteca Nazionale Centrale, 1970, 215 pp.

Maruyama, Shojio, Hideak Kon, and Takeshi Yasuda. Kokuritsu Toshokan ni okeuru Kikaika ni tsuite [Automation and the National Diet Library past, present and future]. Dokumentesyon Kenkyu 20 (March 1970), 65–73.

Meise, Norman R. Conceptual design of an automated national library system. Metuchen, N. J., Scarecrow Press, 1969, 234 pp.

National Advisory Commission On Libraries. Library services for the nation's needs: toward fulfillment of a national policy. ALA Bulletin, 63 (January 1969), 67–94.

Perez-Vitoria, A. Towards a world science information system: an ICSU-UNESCO joint venture. Unesco Bulletin for Libraries 23 (January–February 1969), 2–7.

Pishchalnikov, S.A. Segodnya i zavtra mekhanizatsii bibliotechnykh protsessov [The present state and prospects of mechanization of library processes]. Nauchyne i Tekhnichekie Biblioteki SSSR 1: 73 (1969), 29–33.

Ratman, Z. and B. Modzelewska. Aktuaine tendencje w rozwoju swiatowej informacji naukowej [Present-day trends in developing universal scientific information]. Bibliotekarz 36:5 (1969), 140–44.

Raizada, A.S. Applicability of computer installations in India for library work. Annals of Library Science Documentation 16 (June 1969), 80–7.

Rudomino, Margarita Ivanovna. The Soviet Union: of 370,000 libraries, 2.5 billion volumes, and a treasure house of foreign literature. Wilson Library Bulletin 44 (June 1970), 1022–32.

Systems Development Project. An integrated information system for the National Library of Canada: a summary of the report. Ottawa, National Library of Canada, 1970. 76 pp.

Warren, Peter A., Pierre J. Vinken, and Frans Van der Walle. Design and operation of an advanced computer system for the storage, retrieval and dissemination of the world's biomedical information. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 423–29.

MANAGEMENT AND PLANNING

Andrews, Theodora, ed. Automation problems of 1968. Papers presented at the meeting on automation problems of 1968, Lafayette, Ind., October 1968. Lafayette, Ind., Purdue University, 1969. 74 pp.

Atwood, R. and F.G. Livingston. Automation on ten dollars a day. Special Libraries 60 (April 1969), 215–18.

Auld, W.L.S. Preventing failure in library automation. *In* Clinic on library applications of data processing, University of Illinois Graduate School of Library Science, 1968. Proceedings, 1969. 29–38.

Automation cuts volume of library work. Data Systems News 10 (March 1969), 7,9.

Avram, Henriette D. Using computer technology—frustrations abound. *In* American Federation of Information Processing Societies. Spring joint computer conference, Boston, Mass., May 1969. Proceedings, vol. 34. Mountvale, N.J., 1969. 42–4.

Becker, Joseph. How library automation may influence new building plans. *In* Library automation: a state-of-the-art review. Preconference institute on library automation, San Francisco, Calif., 1967. Chicago, Ill., American Library Association, 1969. 30–2.

Bellomy, Fred L. Management planning for library systems development. Journal of Library Automation 2 (December 1969), 187–217.

Bundy, Mary Lee. Libraries, manpower and automation: shaping the future of libraries. Library Trends 18 (April 1970), 464–86.

Dillon, Howard W. Computers in service to libraries of the future. *In* American federation of information processing societies. Spring joint computer conference, Boston, Mass., May 1969. Proceedings, vol. 34. p. 44–5.

Dobb, T.C. The administration and organization of data processing for the library as viewed from the computing centre. *In* Clinic on library applications of data processing, University of Illinois Graduate School of Library Science, 1968. Proceedings, 1969. 75–80.

Duchesne, R.M. Library management information from computer-aided library systems. *In* Planning library services research seminar, University of Lancaster, July 1969. Proceedings. Eng., University of Lancaster Library, 1969. 11 pp. with appendices.

Duggan, Maryann. Library network analysis and planning (LIBNATO). Journal of Library Automation 2 (September 1969), 157–75.

Fisher, Barbara. Beyond symbiosis: the humanist, the librarian, and the computer. Computers and the Humanities 4 (September 1969), 19–24.

Fischer, Stephen B. A step towards library automation. Journal of the American Society for Information Science 21 (January–February 1970), 34–9.

Hammer, D.P. Casting for automation: new roles for administrator, librarian, systems analyst, programmer. Library Journal 94 (15 December 1969), 4492–95.

Jacob, Mary Ellen L. Automated library systems—now. Australian Library Journal 19 (February 1970), 13–6.

Jennings, Michael A. Optimizing library automation with a central dynamic store. College Research Libraries 30 (September 1969), 397–404.

Kountz, John C. and Robert E. Norton. BIBLIOS—a modular approach to total library ADP. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 1969. 39–50.

Kountz, John C. and Robert E. Norton. BIBLIOS: a modular system for library automation. Datamation 16 (February 1970), 79–83.

Lampman, Louis. Data processing for libraries and library users. Journal of Educational Data Processing 6 (Fall 1969), 239–45.

Lancaster, F.W. and C.J. Gillespie. Design and evaluation of information systems. *In* Annual review of information science and technology. Chicago, Ill., Encyclopaedia Britannica, 1970. 33–70.

Lipetz, Ben-Ami. A quantitative study of catalog use. *In* Clinic on library applications of data processing, University of Illinois Graduate School of Library Science, 1968. Proceedings, 1969. 42–9.

Lipetz, Ben-Ami. User requirements in identifying desired works in a large library. Final report. New Haven, Conn., Yale University Library, June 1970. 73 pp.

Locke, William N. Computers in service to libraries of the future: library requirements. *In* American Federation of Information Processing Societies. Spring joint computer conference, Boston, Mass., May 1969. Proceedings, vol. 34. 41–2.

Massil, Stephen W. Survey of catalogue use prior to mechanization. Program 5 (May 1971), 67–9.

Mathews, Virginia H. and Dan Lacy. Response to change: American libraries in the seventies. Bloomington, Indiana University, Graduate Library School, 1970. 47 pp. ED 044 131.

McCormick, Jack M. Automation problems and some possible solutions. The LARC Reports 2 (June 1969), 42–55.

Melcher, Daniel. Trustee and library automation. *In* Young, V.G. The library trustee, a practical guide book. R.R. Bowker, 1969. p. 121–33.

Minker, Jack. Generalized data management systems—some perspectives. College Park, University of Maryland, Computer Science Center, 1969. 125 pp. (LI 002 989)

Moll, W. Challenge of tomorrow's library: a balanced view. Southeastern Librarian 20 (Summer 1970), 72–6.

Palmer, Foster. A librarian's view of data processing. *In* Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, 1968. Proceedings, 1969. 1–13.

Rao, P.V. Education for automation. Illinois Libraries (November 1970), 924–31.

Rationalizing research libraries in the 70's. Five Associated University

Libraries, Syracuse, N.Y., November 1970. Proceedings. 41 pp. ED 049 769.

Rees, Alan N. The impact of computer technology in library education. Unesco Bulletin for Libraries 23 (January–February 1969), 25–9.

Salton, Gerald. On the development of libraries and information centers. Library Journal 95 (15 October 1970), 3433–42.

Shank, R. Automation in design for change. Missouri Library Association Quarterly 30 (March 1969), 65–72.

Sheldon, David N. A programmer's view of technical processes librarians. California Librarian 30 (April 1969), 116–17.

Shera, Jesse H. The quiet stir of thought or, what the computer cannot do. Library Journal 94 (1 September 1969), 2875–80.

Stephens, Irving E. Computer simulation of library operations; an evaluation of an administrative tool. Special Libraries 61 (July–August 1970), 280–87.

Veaner, Allen B. Major decision points in library automation. College & Research Libraries 31 (September 1970), 299–312.

Wade, P. Librarians: the nature of the men and their relations with machines. Library Association Record 73 (August 1970), 281–82.

Weber, David C. Personnel aspects of library automation. Journal of Library Automation 4 (March 1971), 27–37.

LIBRARY OPERATIONS & SERVICES—ACQUISITIONS

Automated book ordering system. (BATAB. . . . Baker & Taylor's Automated Buying). Information Retrieval and Library Automated Letter 5 (July 1969), 6.

Bell, J.M. and C. McAllister. User needs in the Experimental Library Management System (ELMS). Los Gatos, Calif., IBM, 1970.

Bishop, Gwynneth H. Computers and acquisitions: the experiences of the library at the State University of New York at Binghamton. Library Resources and Technical Services 14 (Summer 1970), 407–20.

Boss, R.W. Automation and approval plans [with discussion]. *In* International seminar on approval and gathering plans in large and medium size academic libraries, 1969. Kalamazoo, Mich., Western Michigan University, 1970. 19–34.

Burgess, Thomas K. Criteria for design of an on-line acquisitions system at Washington State University Library. *In* Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, 1968. Proceedings, 1969. 50–66.

Cage, Alvin C. Data processing applications for acquisitions at the TSU Library. *In* Texas conference on library automation, 2d, Houston, Texas, March, 1969. Proceedings. Acquisitions Round Table of the Texas Library Association, 1969. 35–7.

College bibliocentre. Acquisition and accounting system description manual. Toronto, Ontario, the author, 1970. 18 pp.

Dowsell, J.A.M. and C. Earl. A computer book ordering system for Kent County library using Sbn's. Program 5 (July 1971), 152–56.

Dunlap, Connie R. The automation of acquisition systems. *In* Library automation: a state of the art review. Preconference institute on library automation, San Francisco, Calif., June 1967. Chicago, Ill. American Library Association, 1969. 37–43.

Dunlap, Connie R. Mechanization of acquisition processes. *In* Voigt, Melvin J., ed. Advances in librarianship, vol. 1. New York, N.Y., Academic Press, 1970. 37–55.

Hilbert, Eloise F. Library mechanization at Auburn Community College. Journal of Library Automation 3 (March 1970), 12–23.

Hunt, C.J. A computerised acquisitions system in Manchester University library. Program 5 (July 1971), 157–60.

Kennedy, James H. and James S. Sokoloski. Man-machine considerations of an operational on-line university library acquisition system. *In* American Society for Information Science. Annual Meeting, 33d, Philadelphia, October 1970. Proceedings, vol. 7. 65–67.

Kilgour, Frederick G. Effect of computerization on acquisitions. University of California, San Diego, University Library, 1969. 19 pp. ED 043 340.

Kilgour, Frederick G. Effect of computerization on acquisitions. Program 3 (November 1969), 95–103.

Klaessy, S.S. Centralized acquisitions and processing. Iowa Library Quarterly 21 (October 1970), 149–51.

Shaw, Ralph R. Catcall. College & Research Libraries 31 (March 1970), 89–95.

Spigai, Frances G. and Thomas Mahan. On-line acquisitions by LOLITA. Journal of Library Automation 3 (December 1970), 276–94.

Stevens, Mary Elizabeth. Research and development in the computer and information sciences, vol. 1. Information acquisition, sensing, and input: a selective literature review. Washington, D.C., National Bureau of Standards, 1970. 134 pp. (PB 191 719).

Stoltzenburg, J. and G. Rabe. Das Konstanzer Schema zur Erfassung bibliographischer daten [The Constance scheme for the processing of bibliographical data]. Zeitschrift für Bibliothekswesen und Bibliographie 16:2 (1969), 119–53.

Taylor, Gerry M. and others. Cut to fit. Library Resources Technical Services 14 (Winter 1970), 31–55.

Teare, Robert F. Experience to date in automated acquisitions at Honnold Library. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October, 1969. Proceedings, vol. 6. 29–37.

Walker, Nancy C. Automation and acquisitions. Drexel Library Quarterly 5 (April 1969), 80–3.

LO&S—AUTOMATION OF ABSTRACTING & INDEXING

Armitage, J.E., M.F. Lynch and J.H. Petrie. Computer generation of articulated subject indexes. *In* American Society for Information Science. Annual Meeting, 32d, San Francisco, October, 1969. Proceedings, vol. 6. 253–57.

Artandi, Susan. Computer indexing of medical articles—Project MEDICO. Journal of Documentation 25 (September 1969), 214–23.

Artandi, Susan and Edward H. Wolf. The effectiveness of automatically generated weights and links in mechanical indexing. American Documentation 20 (July 1969), 198–202.

Artandi, Susan and Stanley Baxendale. Project MEDICO. Third progress report. New Brunswick,

N.J., Rutgers, the State University, Graduate School of Library Service, 1969. 75 pp.

Blum, Fred. Two machine indexing projects at the Catholic University of America. Information Storage and Retrieval 6 (May 1971). 453–63.

Carroll, John M. and Robert Roeloffs. Computer selection of keywords using word-frequency analysis. London, Ontario, University of Western Ontario, 1969. Also published in: American Documentation 20 (July 1969), 227–33.

Coates, E.J. Computerised data processing for British technology index. The Indexer 6 (Spring 1969), 97–101.

Edmundson, H.P. New methods in automatic extracting. Journal of the Association for Computing Machinery 16 (April 1969), 264–85.

Ely, Margaret. Documentation for automatic field recognition program. Berkeley, University of California, Institute of Library Research, 1970. 42 pp. (unpublished).

Fogel, Marc. Determination of statistical clumps. Thesis. Philadelphia, Penn., University of Pennsylvania, Moore School of Electrical Engineering, 1969. 52 pp. (PB 184 136).

Golden, R. A generalized index formatting system with photo-composition capabilities. Computers and the Humanities 4 (November 1969), 97–108.

Gould, Laura, Deborah D. Barrett and Ralph M. Shoffner. An experimental inquiry into context information processing. Los Angeles, University of California, Institute of Library Research, 1969. 113 pp.

Gray, W.A. and A.J. Harley. Computer assisted indexing. Paper presented at the Second international conference on mechanized storage and retrieval systems. Cranfield, Eng., College of Aeronautics, September, 1969 (preprint).

Harding, Peter. Second Cranfield conference on information storage and retrieval. Program 4 (January 1970), 42–7.

Harley, A.J. and F.W. Lancaster. Structure and uses of vocabulary in MEDLARS II. Silver Spring, Md., Computer Sciences Corporation, 1969. 72 pp.

Harris, Jessica Lee. Subject analysis: computer implications of rigorous definitions. Metuchen, N.J., Scarecrow Press, 1970. 279 pp.

Heller, Jack. Permuted indexes and catalog card construction from the Museum Computer Network's data bank. ICRH Newsletter 4 (June 1969), 3–6.

Jahoda, G. and Mary Lou Stursa. Texts of indexes. A comparison of keyword from title indexes with and without added keywords and a single access point per document alphabetic subject index. Tallahassee, Florida State University, School of Library Science, 1969. 55 pp.

Klingbiel, Paul H. Machine-aided indexing. Alexandria, Va., Defense Documentation Center, 1969. 24 pp. (AD-696 200).

Lewis, Elizabeth H. A graphic catalog card index. American Documentation 20 (July 1969), 238–46.

Maron, M.E. and Ralph M. Shoffner. The study of context: an overview. Los Angeles, University of California, Institute of Library Research, 1969. 23 pp.

Moelgaard-Hansen, R. and Malcolm Rigby, eds. Seminar on UDC in a mechanized retrieval system, 1st, Copenhagen, September, 1968. Proceedings. Copenhagen, Denmark, Committee on Classification Research, Danish Centre for Documentation, 1969. 161 pp.

Norden, Margaret. KWIC index to government publications. Journal of Library Automation 2 (September 1969), 139–47.

Peeten, E. Documentation automatisee en auto-matisme et regulation. [Mechanized documentation in automation and control]. Revue Universelle des Mines 112 (June 1969), 70–4.

Petrarca, Anthony E. and Michael W. Lay. The double KWIC coordinate index. II. Use of an automatically generated authority list to eliminate scattering caused by some singular and plural main index terms. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. p. 277–82.

Pratt, A.W. and M.G. Pacak. Automated processing of medical English. Paper presented at the International conference on computational linguistics, Stockholm, Sweden, September 1969. 23 pp.

Salton, Gerard. Automatic indexing using bibliographic citations. Journal of Documentation 27 (June 1971), 69–166.

Salton, Gerard. Automatic text analysis. Science 168 (17 April 1970), 335–43.

Salton, Gerard. A comparison between manual and automatic indexing methods. American Documentation 20 (January 1969), 61–71.

Simons, Wendell W. Automated indexing for a classified 2x2 slide collection. The LARC Reports 2 (June 1969), 23–34.

Webb, Linda and James Turner. Searching and editing bibliographic records using IBM Administrative Terminal System (ATS). Syracuse, N.Y., Five Associated University Libraries, May 1970. 13 pp. ED 045 150.

Woff-Terroine, M., N. Simon and D. Rimbert. Use of a computer for compiling and holding a medical thesaurus. Methods of Information in Medicine 8 (January 1969), 34–40.

LO&S—AUTOMATED RETRIEVAL

Altmann, Berthold and Walter Riessler. Theory, testing and mechanization of the ABC retrieval system. American Documentation 20 (January 1969), 6–15.

Barlup, Janet. Mechanization of library procedures in the medium-sized library. VII. Relevancy of cited articles in citation indexing. Bulletin of the Medical Library Association 57 (July 1969), 260–63.

Bennett, John L. Interactive bibliographic search as a challenge to interface design. Paper presented at American Federation of Information Processing Societies Information Systems Committee Meeting, January 1971. 14 pp.

Black, Donald V. Library information system time-sharing: System Development Corporation's LISTS project. California School Libraries 40 (March 1969), 121–26.

Black, Donald V. Library information system time-sharing (LISTS) project. Final report. Santa Monica, Calif., System Development Corporation, May 1970. (TM-4547). 216 pp. ED 039 909.

Black, Donald V. LISTS system users manual. Santa Monica, Calif., System Development Corporation, 1969. 33 pp.

Block, I. J. and G. Hampson. Use of an ICL 1901 computer for listing

archives and manuscripts. Program 2 (July 1969), 70–4.

Borkowski, C., L. Cepanec and J. S. Martin. Structure and effectiveness of the citation identifier, an operational computer program for automatic identification of full-form case citations in legal literature. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 89–93.

Borkowski, C., L. Cepanec, J. S. Martin, V. Salko and S. Tren. Structure and effectiveness of the citation identifier, an operational computer program for automatic identification of case citations in legal literature. Journal of the American Society for Information Science 21 (January–February 1970), 8–15.

Boyer, Calvin J. From Texana to real-time automation. *In* Texas conference on library automation, 2d, Houston, Texas, March 1969. Proceedings. Acquisitions Round Table of the Texas Library Association, 1969. 24–34.

Brandhorst, W. T. Data form and availability and the design of computerized retrieval systems dealing with bibliographic entries. Paper presented at the American Statistical Association Annual Midwest Conference, 16th, Chicago, Ill., March 1969. 39 pp. ED 027 922.

Brauen, Thomas Lloyd. Document vector modification in on-line information retrieval system. Thesis. *In* Cornell University, Department of Computer Science. Information storage and retrieval: scientific report no. ISR-17 to the National Science Foundation. September 1969. 1–159.

Bross, I. D. J. Feasibility of automated information systems in the user's natural language. American Scientist 57:2 (1969), 193–205.

Cain, Alexander M. Thesaural problems in an on-line system. Bulletin of the Medical Library Association 57 (July 1969), 250–59.

Crooke, S. and J. Minker. Key work in context index and bibliography on computer systems simulation and evaluation. College Park, University of Maryland, Computer Science Center, December 1969. 52 pp.

Cunningham, J. L., William D. Schieber and Ralph M. Shoffner. A study of the organization and search of bibliographic holdings records in on-line computer systems. Berkeley, Calif., University of California, Institute of Library Research, March 1969. 307 pp. (PB 185 655.)

Curtice, R. M. and P. E. Jones. An operational interactive retrieval system. Cambridge, Mass., A.D. Little Co., June 1969.

Davis, R. Planning for an experimental on-line bibliographic access service in 1970. Lister Hill National Center for Biomedical Communications, March 1970.

Dolby, James L. An algorithm for variable length proper name compression. Journal of Library Automation 3 (December 1970), 257–75.

Epstein, A. H. and others. Bibliographic automation of large library operations using a time-sharing system: phase I. Final report. Stanford University, Calif. Libraries, April 1971. 334 pp. ED 049 786.

Grosch, Audrey N. Implications of on-line systems techniques for a decentralized research library system. College & Research Libraries 30 (March 1969), 112–18.

Hayes, Robert M. Measurement of file operating effectiveness. Final report. Los Angeles, University of California, Institute of Library Research, 1969. 159 pp. ED 030 466.

Higgins, L. D. and Francis J. Smith. On-line subject indexing and retrieval. Program 3 (November 1969), 147–56.

Ide, Eleanor. Relevance feedback in an automatic document retrieval system. Thesis. *In* Cornell University, Department of Computer Science. Information storage and retrieval: scientific report no. ISR-15 to the National Science Foundation, January, 1969. 198 pp.

Jackson, David M. Basis for an improvability measure for retrieval performance. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October, 1969. Proceedings, vol. 6. 487–94.

Jackson, David M. The construction of retrieval environments and pseudo-classifications based on external relevance. Columbus, Ohio State University, Computer and Information Science Research Center, April 1969. 74 pp.

Kaltwasser, Franz Georg. The use of repetitive access to computer-stored bibliographic information. Presented at German National Commission for UNESCO/UNESCO seminar on electronic data processing in libraries, Regensburg, Germany, April 1970. 18 pp. (unpublished.)

Kilgour, Frederick G., Philip L. Long and Eugene B. Leiderman. Retrieval of bibliographic entries from a name-title catalog by use of truncated search keys. *In* American Society for Information Science. Annual meeting, 33d, Philadelphia, October, 1970. Proceedings, vol. 7. pp. 79–82.

Lesk, M. E. Word-word associations in document retrieval systems. American Documentation 20 (January 1969). 27–38.

Lesk, M. E. and Gerard Salton. Interactive search and retrieval methods using automatic information displays. *In* American Federation of Information Processing Societies. Spring joint computer conference, Boston, Mass., May 1969. Proceedings, vol. 34. 435–46.

Lipetz, Ben-Ami, Peter Stangl and Kathryn F. Taylor. Performance of Ruecking's word-compression method when applied to machine retrieval from a library catalog. Journal of Library Automation 2 (December 1969), 266–71.

McCarn, David B. Planning for on-line bibliographic access by the Lester Hill National Center for Biomedical Communications. Bulletin of the Medical Library Association 58 (July 1970), 303–10.

Meredith, J. C. Machine-assisted approach to general reference materials. Journal of the American Society for Information Science 22 (May 1971), 176–86.

Miller, William L. The extension of users' literature awareness as a measure of retrieval performance, and its application to MEDLARS. Journal of Documentation 27 (June 1971), 125–35.

Mitchell, Patrick C. and Thomas K. Burgess. Methods of randomization of large files with high volatility. Journal of Library Automation 3 (March 1970), 79–86.

Murray, D. M. A scatter storage for dictionary lookups. Journal of Library Automation 3 (September 1970), 173–201.

Musgrave, John. Automated bibliographic control of area research materials. *In* Conference on access to Southeast Asian research materials,

Washington, D.C., April 1970. Proceedings. Cecil Hobbs, ed. 108–20.

Neelameghan, A. and S. Venkataraman. Formulation of kernel terms for a subject and isolate terms for a classification schedule for use in the synthesis of class number by computer. Library Science with a Slant toward Documentation 6 (March 1969), 71–93. (Nonconventional methods in document retrieval 9).

Parker, E. B. Spires — Stanford public information retrieval system. 1968 Annual Report. Calif., Stanford University, Institute for Communication Research, January 1969.

Peress, Herbert A. and Hrand L. Kurkjian. Terminals requirements for the Library of Congress' central bibliographic system. Washington, D.C., Library of Congress, Information Systems Office, 1970. 110 pp.

Rhoads, J. B. Programs of the National archives. Illinois Libraries 52 (Fall 1970), 136–43.

Rice, Stanley. Picture retrieval by concept coordination. Special Libraries 60 (December 1969), 627–34.

Rolling, Loll N. Compilation of thesauri for use in computer systems. Presented at the second international conference on mechanized information storage and retrieval systems, College of Aeronautics, Cranfield, Eng., September 1969. 13 pp.

Salton, Gerard. Search and retrieval experiments in real-time information retrieval. *In* IFIP congress, 1968. Proceedings. Amsterdam, North Holland Publishing Company, 1969.

Scheffler, F. L. and R. B. Smith. Document retrieval system operations including the use of microfiche and the formulation of a computer aided indexing concept. Dayton University, Ohio Research Institute, February 1969. 42 pp. (AD 686 804).

Sherman, Don. Initial progress report on automatic field recognition. Berkeley, University of California, Institute of Library Research, August 1969.

Sparck Jones, K. and D. Jackson. The use of automatically obtained keyword classifications for information retrieval. Information Storage and Retrieval 5 (February 1970), 175–202.

Stangl, Peter, Ben-Ami Lipetz and Kathryn F. Taylor. Performance of Kilgour's truncation algorithm when applied to bibliographic retrieval from a library catalog. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 125–27.

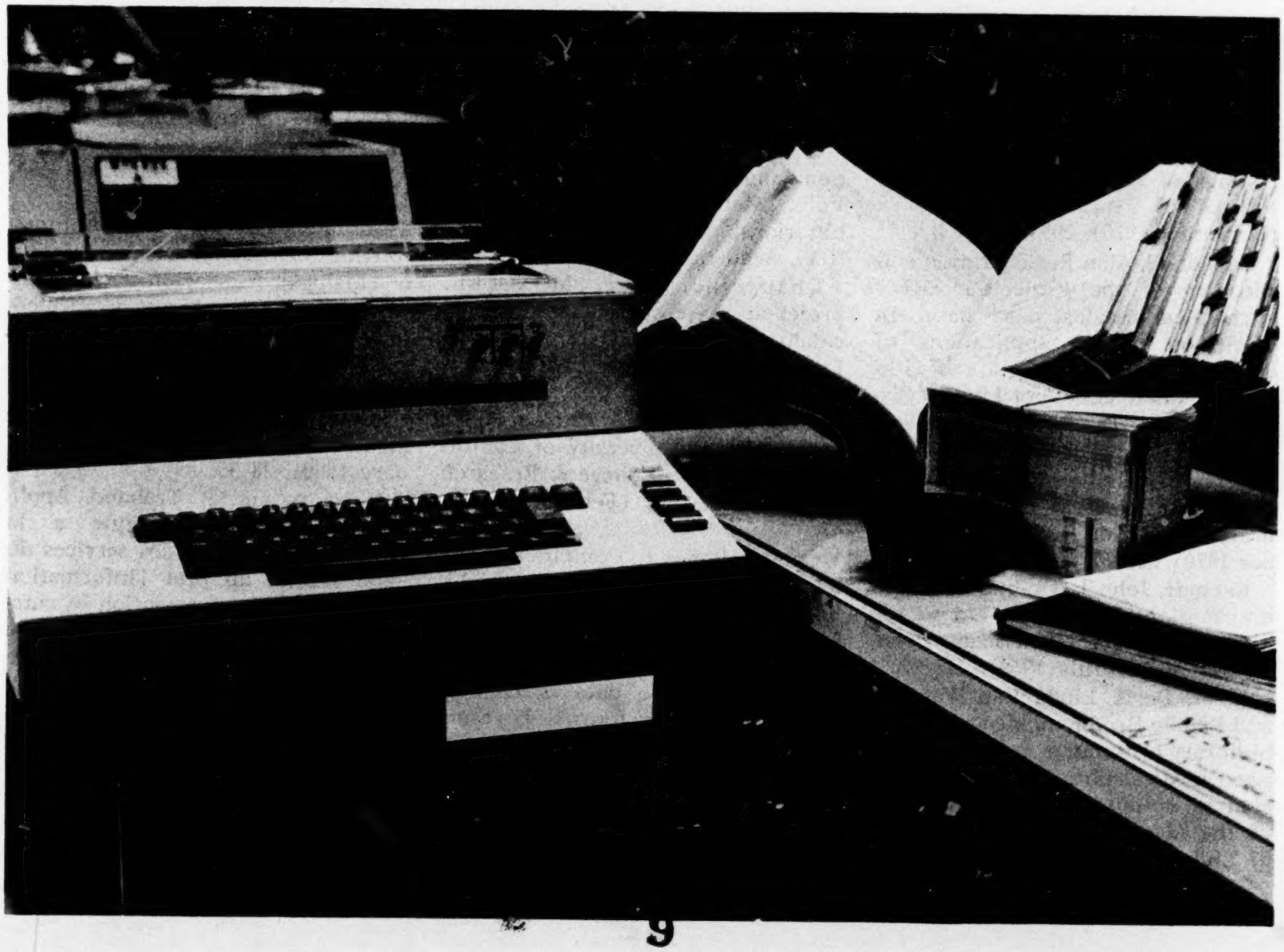
Summit, R. K. Remote information retrieval facility. Palo Alto, Calif., Lockheed Missiles and Space Co., April 1969, 48 pp.

UDC in a mechanized retrieval system. Unesco Bulletin for Libraries 23 (March 1970), 105.

Vickery, B. C. Technique of information retrieval. Hamden, Conn., Shoestring Press, 1970. 264 pp.

Virgo, Julie A. An evaluation of Index Medicus and MEDLARS in the field of ophthalmology. Journal of the American Society for Information Science 21 (July–August 1970), 254–63.

Warheit, I. A. Computerized in-



formation retrieval in the USA. FID News Bulletin 19 (15 March 1969), 19.

Warheit, I. A. File organization of library records. Journal of Library Automation 2 (March 1969), 20–30.

West, Leslie E. SPIRAL (Sandia's program for information retrieval and listing). *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 139–49.

Williams, John H., Jr. BROWSER: an automatic indexing on-line text retrieval system. Annual progress report. Gaithersburg, Md., IBM Federal Systems Division, September 1969. 30 pp. ED 038 981.

LO&S—CATALOGING

Ames, James L. PL/1 for library systems. *In* Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, April 1968. Proceedings, 1969. 67–74.

Angold, Linda. Cost and time analysis of monograph cataloging in hospital libraries: a preliminary study. Detroit, Mich., Wayne State University, Library and Biomedical Information Center, 1969. Report no. 51. 23 pp. ED 035 428.

Bellomy, F. L. and L. N. Jaccarino. Listings of uncataloged collections. Journal of Library Automation 3 (December 1970), 295–304.

Benenfeld, Alan R. Generation and encoding of the Project INTREX augmented catalog data base. *In* Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, April 1968. Proceedings, 1969. p. 155–98.

Bennett, F. Independent cataloger: in defense of local cataloging. Library Association Record 72 (December 1970), 365–67.

Bennett, John L. On-line access to information: NSF as an aid to the indexer-cataloger. American Documentation 20 (July 1969), 213–20.

Bolef, Doris, Linda Van Wagoner and Estelle Brodman. Mechanization of library procedures in the medium-sized medical library: VIII. Suspension of computer catalog. Bulletin of the Medical Library Association 57 (July 1969), 264–66.

Book catalogs: the Rand Afrikaans university in Johannesburg, South Africa. Library Journal 94 (1 April 1969), 1408.

Boshoff, M. C. Die rekenaarmatige katalogus van die Randse Afrikaanse universiteit [Computer-produced catalog of the Rand Afrikaans university]. South African Libraries 39 (January 1969), 94–101.

Bregzis, Ritvars. Machine-readable bibliographic records: criteria and creation. Washington, D.C., ERIC Clearinghouse for Library and Information Science. May 1970. 27 pp. ED 039 388.

Brown, Peter. The Bodleian catalogue as machine readable records. Program 3 (July 1969), 66–9.

Brown, Peter. Centrally prepared cataloguing data. *In* Anglo-Czech conference of information specialists, London, 1967. Proceedings. D. J. Foskett, A. de Reuch and H. Coblans, eds. London, Crosby Lockwood, 1970. 82–5.

Cameron, W. J. and others. HPB project: phase II, describing an experiment in creating a computerized cumulative short-title catalog of hand-printed books leading to a universal bibliography of books printed 1453–1800. London, Ontario, University of Western Ontario, School of Library and Information Science, 1970. 165 pp.

Cartwright, Kelley L. Mechanization and library filing rules. *In* Voigt, Melvin J., ed. Advances in librarianship, vol. 1. New York, N.Y., Academic Press, 1970. 59–94.

Chauveinc, Marc. MONOCLE: projet de mise en ordinateur notué catalographique de livre. Grenoble, France, Bibliotheque Universitaire, 1970. 156 pp.

Computerized book catalog of the library of the University of California, Santa Cruz. College & Research Libraries News 2 (February 1969), 47.

Coover, James B. Computers, cataloging and cooperation. Music Library Association Notes 25 (March 1969), 437–46.

Corbin, James B. Utilization of machine readable data in cataloging. Texas Library Journal 45 (Summer 1969), 76–80.

Cox, S. M. and R. S. Davies. On the communication of machine processable bibliographic records. Part I. An analysis of the draft British standard. Program 4 (July 1970), 89–98. Part II. The "Newcastle" communications format. Program 4 (July 1970), 99–115. Part III. Communication format access language. Program 4 (July 1970), 116–29.

Dattola, R. T. Experiments with a fast algorithm for automatic classification. In. Cornell University, Department of Computer Science. Information storage and retrieval: scientific report no. ISR-16 to the National Science Foundation, September 1969. XIII–1–62.

Dattola, R. T. A fast algorithm for automatic classification. Journal of Library Automation 2 (March 1969), 31–48.

Davies, Glyn. Computer cataloging in Flintshire. Library Association Record 72 (May 1970), 202–03.

DeGennaro, Richard. A national bibliographic data base in machine-readable form: progress and prospects. Library Trends 18 (April 1970), 537–50.

Enjolras, Y. An experiment in telecataloging (1964–1968) and some notes on teledocumentation. Unesco Bulletin for Libraries 23 (January/February 1969), 14–21.

French, Thomas. Conversion of library card catalogues. Program 5 (May 1971), 41–66.

German, Janice. Pioneer developments in the Aldermaston library. AWRE News 17 (December 1969), 22–30.

González Lopez, M. L. Automatización de catálogos [Automation of catalogs]. Asociación nacional de bibliotecarios, archivos y arqueólogos, 1971. 143 pp.

Gull, C. D. Convergence toward common standards in machine-readable cataloging. Bulletin of the Medical Library Association 57 (January 1969), 28–35.

Hahn, A. and P. Traband. Applications de l'informatique a la gestion automatique des services du catalogue et du pret [Information science and the automation of cataloging and circulation]. Association des Bibliothecaires Francais Bulletin d'Informations. 64: (1969), 147–64.

Harris, Jessica L. Programming the library catalog. Drexel Library Quarterly 5 (April 1969), 85–91.

Harris, Jessica L. Computer implications of rigorous definition. Metuchen, New Jersey, Scarecrow Press, 1970. 279 pp.

Harris, Jessica L. A study of the computer arrangeability of complex terms occuring in a major tool used in subject analysis. Final report. New York, N.Y., Columbia University, School of Library Service, March 1969. 57 pp. ED 028 793.

Harrison, David F. and Randolph J. Herber. An automated music programmer (MUSPROG). Journal of Library Automation 2 (March 1969), 1–9.

Johnson, D. W. A dream? Arizona Librarian 26 (Spring 1969), 21–5.

Kazlauskas, E. J. Shelflist conversion for multi-library uses. Library Resources & Technical Services 15 (Spring 1971), 229–40.

Landau, Herbert B. Research study into the effective utilization of machine-readable bibliographic data bases. Final report. Philadelphia, Auerbach Corp., 1969. 63 pp. (PB-184 616).

Love, Erika and others. Reclassification and documentation in a medium-sized medical center library: the MTST Magnetic tape selectric typewriter system in the simultaneous production of catalog cards and a computer stored record. Bulletin of the Medical Library Association 59 (January 1971), 41–9.

Lubetzky, Seymour. Principles of cataloging. Final report. Phase I: descriptive cataloging. Los Angeles, University of California, Institute of Library Research, 1969. 121 pp. ED 031 273.

MASFILE—I pilot project. Final report. Syracuse, N.Y., Five Associated University Libraries, April 1969. 35 pp. ED 028 801.

MASFILE—II pilot project. Final report. Syracuse, N.Y., Five Associated University Libraries, June 1970. 47 pp. ED 051 826.

McAllister, Caryl. Cataloging and display of bibliographic information in an on-line catalog. *In* American Society for Information Science. Annual meeting, 33d, Philadelphia, October 1970. Proceedings, vol. 7. 69–72.

Miller, E. W. and B. J. Hodges. Shawnee Mission's on-line cataloging system. Journal of Library Automation 4 (March 1971), 13–26.

Newman, W. L. and E. J. Buchinski. Entry title compression code access to machine readable bibliographic files. Journal of Library Automation 4 (June 1971), 72–85.

Ohio College Library Center. Instruction manual for catalog production. Columbus, Ohio College Library Center, February 1970. 26 pp.

Price, A. The implementation of filing rules by computer. Program 5 (July 1971), 161–64.

Prywes, Noah S. and Barry Litofsky. All-automatic processing for a large library. *In* American Federation of Information Processing Societies. Spring joint computer conference, Boston, Mass., May 1970. Proceedings, vol. 36. 323–31.

Report of the International meeting of cataloging experts, Copenhagen, Denmark, 1969. Libri 20:1–2 (1970), 105–32.

Rislow, Walter W. and Davic W. Carrington. Computerized map cataloging project. Inspel 4 (July–October 1969), 74–79.

Roessler, D. Sacherschliessung an bibliotheken bei einsatz elektronischer datenverarbeitung [Subject cataloging in libraries using electronic processing]. Greven, 1970. 117 pp.

Salton, Gerard. Automatic processing of foreign language documents. *In* Cornell University, Department of Computer Science. Information storage and retrieval: scientific report no. ISR-16 to the National Science Foundation, September 1969. IV–1–29.

Schwartz, Eugene S. and Henry I. Saxe. A bibliographic bank for resource sharing in library systems: a feasibility study. Final report. Chicago, Illinois Institute of Technology, Research Institute, 1969. 226 pp. ED 033 737.

Simon, Wesley. Automation of cataloging procedures. *In* Library automation: a state-of-the-art review. Preconference institute on library automation, San Francisco, Calif., June 1967. Chicago, Ill., American Library Association, 1969. 44–54.

Snell, Betty. Programming library applications in PL/1. *In* Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, 1969. Proceedings. Urbana, University of Illinois, Graduate School of Library Science, 1970. 81–97.

Stecher, E. Cataloguing for the computer at R.M.I.T. Australian Academie and Research Libraries 1 (September 1970), 112–21.

Tom, Ellen and Sue Read. SCOPE in cataloguing. University of Guelph Library, Guelph, Ontario, Canada. June 1970. 54 pp.

Using tapes of the new BNB experimental service. Liaison (February 1969), 11.

Veaner, Allen B. Project BALLOTS: bibliographic automation of large library operations using a time-sharing system. Progress report. Stanford University, Calif. Libraries, 1969. 402 pp. ED 030 777.

Wiggins, Emilie V. The NLM current catalog. Bulletin of the Medical Library Association 57 (January 1969), 36–40.

MARC AND RECON

Atherton, Pauline, Development of a computer-based laboratory for library science students using LC/MARC tapes. Final report. Syracuse University, N.Y., School of Library Science, January 1970. 47 pp. ED 037 224.

Atherton, Pauline and Karen Miller. LC/MARC on MOLDS. Journal of Library Automation 3 (June 1970), 142–65.

Atherton, Pauline and John Wyman. Searching MARC project tapes using IBM/Document Processing System. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October, 1969. Proceedings, vol. 6. 83–8.

Atherton, Pauline and Judith Tessier. Teaching with MARC tapes. Journal of Library Automation 3 (March 1970), 24–35.

Austin, Derek. An information retrieval language for MARC. Aslib Proceedings 22 (October 1970), 481–91.

Austin, Derek and Peter Butcher. Precis: a rotated subject index system. London, Eng., British National Bibliography, 1969. 87 pp.

Austin, Derek. Subject retrieval in U.K. MARC III. Library Association, Cataloguing and Indexing Group. Seminar on the U.K. MARC project, University of Southampton, March, 1969. Proceedings, 1970. 30–52.

Avram, Henriette. Implications of project MARC. *In* Library Automation: a state-of-the-art review. Preconference institute on library au-

tomation, San Francisco, Calif., June, 1967. Chicago, Ill., American Library Association, 1969. 78–89.

Avram, Henriette. The MARC pilot project: final report. Washington, D.C., U.S.G.P.O., 1969. 183 pp.

Avram, Henriette, and others. MARC program research and development: progress report. Journal of Library Automation 12 (December 1969), 242–65.

Avram, Henriette. The RECON pilot project: a progress report. Journal of Library Automation 3 (June 1970), 102–14.

Avram, Henriette, Kay D. Guiles and Lenore S. Maruyama. RECON pilot project: a progress report, November 1969–April 1970. Journal of Library Automation 3 (September 1970), 230–51.

Ayres, F. H. The case against MARC: how strong is it? Library Association Record 73 (July 1971), 130–31.

Ayres, F. H. Making the most of MARC; its use for selection acquisition and cataloging. Program 3 (April 1969), 30–7.

Bierman, Kenneth John. An operating MARC-based SDI system; some preliminary services and user reactions. *In* American Society for Information Science. Annual meeting, 33d, Philadelphia, October 1970. Proceedings, vol. 7. 87–9.

Bierman, Kenneth John and Betty Jean Blue. A MARC-based SDI service. Journal of Library Automation 3 (December 1970), 304–19.

Bierman, Kenneth John and Betty Jean Blue. Processing of MARC tapes for cooperative use. Journal of Library Automation 3 (March 1970), 36–64.

Buckland, Laurence F., Ann T. Curran and William R. Nugent. Demonstration of cataloging support services and MARC II conversion. Final report. Cambridge, Mass., Inforonics, 1969. 40 pp. ED 028 800.

Burgis, G. C. A MARC user's seminar. Canadian Library Journal 27 (May–June 1970), 227–29.

Burgis, G. C. and E. Buchentski. MARC at University of Saskatchewan. *In* Automation in libraries. Papers presented at the Canadian Association of College and University Libraries Workshop on library automation in a Pre-conference workshop of Canadian Library Association at Hamilton, 1970. Ottawa, Ontario, Canadian Library Association, 1970. 69–120. ED 046 450.

Corbett, Lindsay and Janice German. MARC II based mechanized cataloging and ordering system offered as a package by AWRE. Program 4 (April 1970), 64–7.

Coward, Richard E. MARC international. Journal of Library Automation 2 (December 1969), 181–86.

Coward, Richard E. MARC international. Presented at German National Commission for UNESCO/ UNESCO Seminar on Electronic Data Processing in Libraries, Regensburg, Germany, April, 1970. 5 pp. (Unpublished).

Dienemon, W. MARC tapes in Trinity College library. Program 4 (April 1970), 70–5.

Eyre, John J. Structure and handling of MARC files for the AMCOS update program. Program 4 (January 1970), 30–41.

Fasana, Paul J. Utilization of MARC data in the Columbia automated technical services system. New York, N.Y., Columbia University Libraries Systems Office, November 1970. 15 pp.

Fineman, Mark and Frank Martel. LEEP program description: MARC I double column lister. Syracuse, N.Y., Syracuse University, School of Library Science, December 1969. 6 pp.

Fineman, Mark and Frank Martel. LEEP program description: MARC I record sort. Syracuse, N.Y., Syracuse University, School of Library Science, December 1969. 19 pp.

First MARC tapes distributed; project RECON underway; ALA publishes "MARC manuals" as LC format gains acceptance. Scientific Information Notes 1 (January–February/March–April 1969), 1–2.

Hall, A. T. Some questions about the MARC project. Library Association Record 71 (September 1969), 275–76.

Heilik, J. Information retrieval, MARC at the National Science Library. Canadian Library Journal 18 (March–April 1971), 120–123.

Herrgesell, Barbara. A MARC bibliography, guide to the literature on LC machine readable cataloging. Syracuse University, N.Y. School of Library Science, March 1970. 15 pp.

Humphreys, K. W. The ultilization of the MARC project in libraries outside the United States and Canada. Libri 20:1–2 (1970), 133–34.

Kilgour, Frederick G. Standardization for interchange of cataloging records; MARC II. *In* International congress of medical librarianship, 3d, Amsterdam, May, 1969. Proceedings. 103–09. (Reprinted from Exerpta Medica International Congress series no. 208).

Library Association, Cataloging and Indexing Group. Seminar on the U.K. MARC project, University of Southhampton, March 1969. Proceedings. A. E. Jeffreys and F. D. Wilson, eds. Oriel, Newcastle upon Tyne, Eng., 1970. 116 pp.

MARC tapes available on subscription. Methods of Information in Medicine [Methodik der Information in der Medizin] 8 (January 1969), 49.

MARC tapes in Trinity College library, Dublin. Program 3 (April 1969), 40–1.

MARC II specifications. London, The Council of the British National Bibliography, Ltd., April 1969. 52 pp. (BNB MARC Documentation Service Publications, no. 2).

Maruyama, Shojiro. Maku II formatto, subscribers guide yoyaku. [MARC II format; a synopsis of the subscriber's guide]. Tokyo, Japan, National Diet Library, 1969. 32 pp.

Pearson, Karl. MARC and the Library Service Center: automation at bargain rates. Santa Monica, Calif., System Development Corp., September 1969. 15 pp. ED 038 991.

Quigg, P. J. The U.K. MARC: a report on the Southhampton seminar. Program 3 (July 1969), 82–5.

Rather, John C. and Jerry G. Pennington, The MARC sort program. Journal of Library Automation 2 (September 1969), 125–38.

RECON Working Task Force; levels of machine readable records. Journal of Library Automation 3 (June 1970), 122–27.

Stillwell, John. LEEP program description and manual: MARC II search program. Syracuse, N.Y., Syracuse University, School of Library Science, May 1970. 39 pp. ED 041 600.

Stockard, Joan. Selective survey of MARC literature. Library Resources & Technical Services 15 (Summer 1971), 279–89.

Swanson, Gerald L. Selected statistics on LC MARC bibliographic

records; cumulated statistics for vol. 1, nos. 1–54, March 1969–March 1970. New York, N.Y., Columbia University Libraries, Systems Office, September 1970. 28 pp.

Swanson, Gerald L. Selected statistics on LC MARC bibliographic records. Cumulated statistics for vol. 2, nos. 1–13, April 1970–June 1970. New York, N.Y., Columbia University Libraries, Systems Office, October 1970. 11 pp.

Sweeney, R. Preparing for MARC. Program 3 (January 1969), 103–24.

U.S. Library of Congress. Information Systems Office. Format recognition process for MARC records: a logical design. Chicago, Ill., American Library Association, 1970. 301 pp.

U.S. Library of Congress. Information Systems Office. Maps, a MARC format; specifications for magnetic tapes containing catalogue records for maps. Washington, D.C., U.S.G.P.O., 1970. 45 pp.

U.S. Library of Congress. Information Systems Office. MARC manuals used by the Library of Congress, 2d ed. Chicago, Ill., American Library Association, Information Science and Automation Division, 1970. 432 pp.

U.S. Library of Congress. Information Systems Office. Serials: a MARC format. Preliminary ed. Washington, D.C., U.S.G.P.O., 1970. 72 pp.

U.S. Library of Congress. MARC Development Office. Films: a MARC format. Washington, D.C., U.S.G.P.O., 1970. 65 pp.

U.S. Library of Congress. MARC Development Office. Serials: a MARC format. Addendum number 1. Washington, D.C., U.S.G.P.O., 1971. 31 pp.

U.S. Library of Congress. RECON Working Task Force. Conversion of retrospective catalog records to machine-readable form: a study of the feasibility of a national bibliographic service. Washington, D.C., U.S.G.P.O., 1969. 23 pp.

LIBRARY OPERATION AND SERVICES—CIRCULATION

Allen, John A. A computerized issue system in Brighton Public Libraries. Program 3 (November 1969), 115–19.

Anable, R. Inter-university circulation data system; an in-depth analysis. *In* Automation in libraries. Papers presented at the Canadian Association of College and University Libraries Workshop on library automation in a Pre-conference workshop of Canadian Library Association at Hamilton, 1970. Ottawa, Ontario, Canadian Library Association, 1970. 120–28. ED 046 450.

Beckman, Margaret. Documentation systems for the organization of government publications within a university library. University of Guelph, Ontario, Canada, Library, 1969. 81 pp. ED 044 159.

Blau, Edmund J. An automated circulation system for a medium-sized science library. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, Proceedings, vol. 6. 21–8.

Boyd, Anne H. and Philip E. J. Walden. A simplified on-line circulation system. Program 3 (July 1969), 47–65.

Boyer, Calvin J. On-line circulation control system at Midwestern University. The Larc Reports 2 (March 1969), 44–58.

Boyer, Calvin J. and Jack Frost. On-line circulation control, Midwestern University Library's system using an IBM 1401 computer in a "time-sharing" mode. *In* Clinic on library applications of data process-

ing. University of Illinois Graduate School of Library Science, May 1968. Proceedings, 1969. 135–43.

Braude, Robert M. Automated circulation systems. Colorado Academic Library 5 (Autumn 1969), 1–6.

Buckland, M. K. and I. Woodburn. An analytical study of library book duplication and availability. Information Storage and Retrieval 5 (July 1969), 69–80.

Cabaniss, Peggy. LISTS system user's manual for circulation control subsystem at Fullerton Junior College Library. Santa Monica, Calif. System Development Corp., September 1969. 50 pp.

Campbell, G. R. The circulation system of the McPherson Library, University of Victoria. The Larc Reports 2 (March 1969), 26–43.

Computer assisted circulation system: summary. New York, N.Y., Columbia University Libraries, Systems Office, October 1970. 3 pp. (Technical note no. 5).

Computer in the stacks. (IBM library in Los Gatos, Calif.) Data Processor 12 (July 1969), 12–15.

Computerized library circulation system. Publishers' Weekly 198 (14 December 1970), 9.

Cook, Meyer. An automated library system proposal. Special Libraries 60 (May–June 1969), 288–96.

Cowburn, Lorna M. University of Surrey Library automated issue system. Program 5 (May 1971), 70–88.

Crouch, James A. Automated circulation at C.U.—a progress report. Colorado Academic Library 5 (Autumn 1969), 7–9.

Dillehay, Bette H. and others. Determining tomorrow's needs through today's requests. An automated approach to interlibrary loans. Special Libraries 61 (May–June 1970), 238–43.

Elrod, J. M. University of British Columbia library's computerized circulation system [letter]. College & Research Libraries 32 (March 1971), 145.

Gribbin, J. H. Computerphobia and other problems: user reactions to an automated circulation operation in the library of Tulane university. Southeastern Librarian 20 (Summer 1970), 78–82.

Gull, C. D. Automated circulation systems. *In* Library automation: a state-of-the-art review. Institute on Library Automation, San Francisco, June 1967. Chicago, Ill., American Library Association, 1969. 138–48.

Harris, N. J. West Sussex County Library. Program 5 (January 1971), 12–15.

Hassell, R. H. The implementation of a computer book charging system. *In* Symposium on computer book charging, Leeds Polytechnic, May 1970. Proceedings. 14–23.

Hazell, J. The 357 circulation control system for the University of New South Wales Library. Australian Academic and Research Libraries 1 (Autumn 1970), 30.

Heineke, Charles D. and Calvin J. Boyer. Automated circulation system at Midwestern University. ALA Bulletin, 63 (October 1969), 1249–54.

Helal, Ahmed H. Circulation, recording and control of inter-library loans. Presented at German National Commission for UNESCO/UNESCO seminar on electronic data processing in libraries, Regensburg, Germany, April 1970. 10 pp. (unpublished).

Judd, J. V. Regional interlibrary loan experiments in New York state. Bookmark 28 (January 1969), 121–23.

Kennedy, Robert A. Bell Laboratories on-line circulation control system: one year's experience. *In* Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, April 1969. Proceedings, 1970. 14–30.

Lingenberg, Walter. Circulation control with computers; general questions. Presented at the German National Commission for UNESCO/UNESCO seminar on electronic data processing in libraries, Regensburg, Germany, April, 1970. 11 p. (unpublished).

McDowell, B. A. J. and C. M. Phillips. Circulation control system. University of Southampton, Eng., 1970. 64 pp. (Southampton University Library Automation Project, Report No. 1).

Monroe, Elizabeth Jean and Vern M. Pings. Interlibrary loan requests for biomedical literature originating from Kentucky, Ohio and Michigan institutions. Papers and reports, no. 1. Detroit, Michigan, Kentucky, Ohio, Michigan Regional Medical Library, 1969. 23 pp. ED 035 422.

NYSILL (New York State Interlibrary Loan) evaluation: phase III, 1969. Albany, New York State Education Department, Division of Library Development, 1970, 86 pp. ED 047 765.

Ohio state circulation system claimed unique. Library Journal 96 (1 January 1971), 20.

OSU remote access and circulation system. The Ohio College Library Center Newsletter (27 August 1970), 2.

Owen, D. G. A computer circulation system feasibility study. Program 5 (January 1971), 16–25.

Peake, Dorothy and A. Dubrovits. The NUNCAT project. Australian Library Journal 19 (December 1970), 448–58.

Simmons, Peter. Choosing data conversion equipment. College & Research Libraries 30 (September 1969), 431–36.

Simmons, Peter. Improving collections through computer analysis of circulation records in a university library. *In* American Society for Information Science. Annual meeting, 33d, Philadelphia, October 1970. Proceedings, vol. 7. 59–63.

SPIRES/BALLOTS report (film). 15-min. 16mm sound color. Berkeley, University of California, Extension Media Center, 1970.

Stummvoll, Josef and Josef Mayerhofer, Elektronik in Regensburg: eine exkursion [Electronics in Regensburg; an excursion.] Biblos 18:4 (1969), 215–23.

Super sleuth: computer finds delinquent borrowers. South Carolina Librarian 14 (October 1969), 31.

Surace, Cecily J. Library circulation systems—an overview. Santa Monica, Calif., The RAND Corporation, March 1970. 25 pp. ED 039 001.

Symposium on computer book-charging. Leeds Polytechnic, May 1970. Proceedings. Leeds, Eng., Leeds Polytechnic, Department of Librarianship, 1970. 46 pp.

System scope for library automation and generalized information storage and retrieval at Stanford University, Stanford, California, Stanford University, SPIRES/BALLOTS Project, February 1970. 157 pp.

Van Deventer, M. H. Computer controlled issue system for East London library. Cape Librarian (February 1971), 11–13.

Wayne county federated library system, Michigan, is switching to a

new computerized circulation system. Library Journal 94 (1 March 1969), 938.

Wilhelmy, A. Uberwachung des leihverkehrs in bibliotheken und archiven. [Control of loan traffic in libraries and archives]. Nachrichten für Dokumentation 21 (June 1970), 107–09.

Willemse, J. Die universiteit van Suid-Afrika se gemeganiseerde uitleenstelsel [Mechanized charging system at the South African university]. South African Library 36 (January 1969), 102–11.

Wilson, C. W. J. AERE library computer based loans system: an introduction. Program 5 (January 1971), 2–4.

Wilson, C. W. J. Comparison of UK computer-based loans systems. Program, 3. (November 1969), 127–46.

Wilson, C. W. J. and K. R. Greenhalgh. AERE library computer based loans system—COBLOS. Program 5 (May 1971), 89–118.

Young, R. C. University of Sussex Library. Program 5 (January 1971), 8–11.

REFERENCE SERVICES

Bond, Lynn, Carlos M. Bowman, and Marilyn T. Brown. A computerized current awareness service using Chemical-Biological Activities [CBAC]. Journal of Chemical Documentation 9 (August 1969), 158–61.

Brannon, Pam B., D. F. Burnham, R. M. James, and Lee A. Bertram. Automated literature alerting system. American Documentation 20 (January 1969), 16–20.

Corbett, L. Progress at AWRE in the development of mechanized current awareness services. Program 4 (October 1970), 141–49.

DeGennaro, Richard. Harvard University's Widener library shelf-list conversion and publication program. College and Research Libraries 31 (September 1970), 318–31.

Ide, Eleanor and Gerard Salton. User-controlled file organization and search strategies. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 183–91.

International Business Machines Corporation, Data Processing Division. Library automation—computer produced book catalog. IBM data processing application. White Plains, N.Y., IBM, 1969. 41 pp.

Jacob, Mary Ellen L. Book catalogs: their function in integrated library systems. Special Libraries 60 (July–August 1969), 332–39.

Jordan, John R. Let the computer select your reading list. Datamation 16 (February 1970), 91–4.

Kieffer, Paula. Book catalog—to have or not to have. Library Resources & Technical Services 15 (Summer 1971), 290–96.

Kilgour, Frederick G. Concept of an on-line computerized library catalog. Journal of Library Automation 3 (March 1970), 1–11.

Library book catalogs by ROCAPPI. Information Retrieval & Library Automation Letter 5 (September 1969), 10–11.

Mahood, R. M. Book catalogs: present and future. Southeastern Librarian 20 (Summer 1970), 83–92.

New England Board of Higher Education. New England Library Information Network (NELINET). The development and testing of an automated system of catalog products production. Final report. Wellesley, Mass., New England Board of Higher Education, February 1970. 146 pp.

Phase II of Card Division mechanization project approved. Library of Congress Information Bulletin 28 (5 June 1969), 288–89.

Porter, K. I. The automation of BUCOP. New Zealand Libraries 33 (August 1970), 98–106.

Salmon, Stephen R. Development of the card-automated reproduction and distribution system (CARDS) at the Library of Congress. *In* Clinic on library applications of data processing. University of Illinois Graduate School of Library Science, April 1969. Proceedings, 1970. 98–113.

Smetana, F. O. and S. R. Walker. Literature searches for theses by computer: results of the first two years of the program. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 95–100.

Smith, Stephen F. and Ralph M. Shoffner. A comparative study of mechanized search languages. Berkeley University of California, Institute of Library Research, January 1969. 56 pp.

South African national bibliography is one of the first national bibliographies to be produced by computer techniques. Library of Congress Information Bulletin 28 (30 January 1969), 63.

Tagliacozzo, Renata Manfred Kochen and Lawrence Rosenberg. Orthographic error patterns of author names in catalog searches. Journal of Library Automation 3 (June 1970), 93–101.

Townley, Helen. A new computer-based current awareness service. Program 3 (April 1969), 1–10.

Warheit, I. A. The computer produced book catalog. Special Libraries 60 (November 1969), 537–77.

White, F. T. Still no problem: Vancouver Island regional library is now in its third year of using a computer-produced book catalog. Canadian Library Journal 28 (January 1971), 45–7.

Zastrau, H. O. Computer-produced catalogues at Rand Afrikaans University. Program 3 (April 1960), 19–29.

SERIAL RECORDS

Arlington county computerizes periodical operation. D. C. Libraries 40 (Fall 1969), 80.

Belch, David E. The computer controlled periodicals system at the San Francisco public library. Library Resources & Technical Services 13 (Fall 1969), 531–32.

Bishop, S. M. Periodical records on punched cards at AERE library, Harwell. Program 3 (April 1969), 11–18.

Black, Donald V. and Donald M. Bethe. Library serials control using a general-purpose data management system. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 5–11.

Bosseau, Don L. The University of California at San Diego serials system—revisited. Program 4 (January 1970), 1–29.

Bristol, R. P. PHIL [Periodical holdings in libraries] union. Virginia Librarian 16 (Summer 1969), 10.

Burns, Robert W., Jr. The design and testing of a computerized method of handling library periodicals. (Title III). Final report. Fort Collins, Colorado State University, University Libraries, December 1970. 60 pp. ED 050 753.

Crismond, Linda F. A computer system for periodicals: a report on the experience of the San Francisco public library. Library Journal 94 (15 October 1969), 1619–21.

Crismond, Linda F. and Sylvia B. Fatzer. Automated serials check-in and binding procedures at the San Francisco public library. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 13–20.

Deshief, Helene. Automation of serials at the Canadian National Railways. Part I. The Larc Reports 2 (June 1969), 35–41. Part II. Ordering. The Larc Reports 2 (September 1969), 12–29.

De Varennes, Rosario. Computerized serials system at Laval. *In* Automation in libraries. Papers presented at the Canadian Association of College and University Libraries Workshop on library automation in a Preconference workshop of Canadian Library Association at Hamilton, 1970. Ottawa, Ontario, Canadian Library Association, 1970. 129–47. ED 460 450.

De Varennes, Rosario. On-line serials system at Laval University library. Journal of Library Automation 3 (June 1970), 128–41.

Evans, A. J., R. A. Wall, and J. C. Mackay. Periodicals data automation project. Loughborough University of Technology Library, (March 1969).

Evans, Glyn T. Development of an automated periodical system at the Royal Society of Medicine Library. Proceedings of the Royal Society of Medicine, 62 (August 1969), 757–63.

Fayollat, J. and D. Luck. Computer-based serials control system. Biomedical library, UCLA. American Documentation, 20 (October 1969), 385.

Ferguson, Douglas. Information retrieval (SPIRES) and library automation (BALLOTS) at Stanford University. Stanford University, SPIRES/BALLOTS Project, Stanford, California, (November 1970), 12 pp.

Fried, Martin D. and Ruth Dunham. California State library: processing center design and specifications. Vol. IV. Serials control system. Berkeley, University of California, Institute of Library Research. September 1969. 364 pp. ED 036 308.

Griffin, J. Computer handling of periodical subscriptions and holdings at Shell Research Limited, Sittingbourne. Program 3 (November 1969), 120–26.

Grosch, A. N. University of Minnesota biomedical library serials system. Special Libraries (July 1969), 349–60.

Hammer, D. P. Serial publications in large libraries: machine applications. *In* University of Illinois Graduate School of Library Science. Serial publications in large libraries. Plains, N.Y., IBM, 1971.

International Business Machines Corporation. Library automation—computerized serials control. White Plains, N.Y., IMB, 1971.

Key, Jack D. The care and feeding of union list of serials. Arizona Librarian 27 (Spring 1970), 27–33.

Kilgour, Frederick G. Computerization: the advent of humanization in one college library. Library Trends 18 (July 1969), 29–36.

Larason, Larry D. Three-state

serials data base (Oklahoma, Southwestern, and Intermountain union list of serials project). Arizona Librarian 27 (Spring 1970), 26.

Martin, D. W. and C. I. Barnes. Report on the feasibility of an international serials data system and preliminary system design. Prepared for UNISIST/ICSUAB Working Group on Bibliographic Descriptions. London, Institution of Electrical Engineers. Information Service for Physics, Electrotechnology and Control, April 1970. Unpaged.

MASS: MARC-based automated serials system, working paper No. 1. Birmingham Libraries Cooperative Mechanization Project and Longborough University of Technology Library, December 1970.

Massil, S. W. Mechanization of serials records: a literature review. Program 4 (October 1970), 156–58.

Matthews, Mary and Steve Sherman. How to computerize your serials and periodicals when you don't know how. Wilson Library Bulletin 44 (April 1970), 861–64.

Moll, W. University of Virginia medical center's list of serial holdings. Virginia Librarian 16 (Summer 1969), 11–12.

Newton, Gerald D. Serials; stage 2. Davis, University of California, Systems and Automation Office, March 1970. 156 pp.

Norris, Jean A. and Robert E. Joerger. University of Florida libraries automated union serials list. *In* American Society for Information Science. Annual meeting, 33d Philadelphia, October, 1970. Proceedings, vol. 7. 73–7.

Olson, Kenneth D. Union lists and the public record of serials. Special Libraries 61 (January 1970), 15–20.

Pan, E. Library serials control systems: a literature review and bibliography. Washington, D.C. ERIC Clearinghouse on Library and Information Sciences, December 1970. 49 pp. ED 044 538.

Peake, Dorothy and Marea Terry. Computer printed union list of serials in branch and department libraries in the University of Sydney library. Australian Library Journal 19 (May 1970), 149–53.

Purdue serials catalog is computer produced. Focus 23 (March 1969), 32.

Reed, Mary Jane. Automated serials control system at the New York State library. Bookmark 29 (July 1970), 377–79.

Richmond, Phyllis and Marcia K. Gill. Accommodation of nonstandard entries in a serial list made by computer. Journal of the American Society Information Science 21 (July–August 1970), 240–46.

Rothwell, R. The serials automation project at the public library of New South Wales. Australian Library Journal 18 (May 1969), 136–45.

San Francisco library claims automation first. Library Journal 94 (May 1969), 1832–33.

SCAT (Serial catalog). Project advances at Hershey medical center library of the Pennsylvania State University Medical Library Association Bulletin 57 (January 1969), 84:5.

Schwartz, Shula and Patricia A. Bottalico. Automation of serials. *In* Texas conference on library automation, 2d, Houston, Texas, March, 1969. Proceedings. Acquisitions Round Table of the Texas Library Association, 1969, 1–23.

Stevenson, Chris G. An inexpensive computer-based system for group routing periodicals. Special Libraries 61 (October 1970), 460–65.

Strain, P. M. Second thoughts on serials automation. SLA Sci-Tech News 23 (Spring 1969), 9–10.

Szigethy, Marion C. Mechanized serials handling system. Special Libraries 60 (November 1969), 601–05.

Varenchik, F. S. Computerized system for periodical subscription control. Special Libraries 60 (February 1969), 95–97.

Verity, John B. and Elizabeth L. Crocker. A computer based system for serial records at Lawrence Radiation Laboratory. Journal of the American Society for Information Science 21 (July–August 1970), 247–53.

Wall, R. A. A proposed experiment in automated serials accessioning. Program 5 (July 1971), 141–51.

Wall, R. A. and C. U. J. Wilson. Codification of periodical titles, a note on ASTM Coden versus standard serial numbers. Library Association Record 72 (May 1970), 188–90.

Warheit, I. A. Library automation-serials. San Jose, Calif., International Business Machines Corporation, 1970. 173 pp. (Unpublished).

Westfall, Caizill E. Serial automation system [journal control]. Bladensburg, Md., Wolf Research Development Corp., February 1969. 159 pp. (AD 682 670).

Wyatt, R. W. P. Producing a serials catalogue on tape. Library Association Record 71 (July 1969), 210–11.

SELECTIVE DISSEMINATION OF INFORMATION

Aspinall, W. K. Selective dissemination of information using a large computer. Program 4 (January 1969), 103–24.

Brown, Jack E. The CAN/SDI program of Canada's National Science Library. Special Libraries 60 (October 1969), 501–09.

Brown, W. S. and J. F. Traub. Mercury: a system for the computer-aided distribution of technical reports. Journal of the Association for Computing Machinery (January 1969), 13–25.

Housman, Edward M. Survey of current systems for selective dissemination of information (SDI). *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6. 57–61.

Housman, Edward M.; comp. Survey of current systems for selective dissemination of information (SDI). Washington, D. C., American Society for Information Science, June 1969. 145 pp. (AD 692 792).

McBirney, Warren B. Relationship between response to selective dissemination of information and salary level. Denver, Colo., U.S. Bureau of Reclamation, Office of Engineering Reference, January 1969. 19 pp.

MARC-Oklahoma cooperative SDI project, no. 1, June 1970. Oklahoma Department of Libraries Automation Newsletter 2 (June–August 1970), 10–14.

Parker, Janet E. Preliminary assessment of the comparative efficiencies of an SDI system using controlled or natural language for retrieval. Program 5 (January 1971), 26–37.

Paxton, E. A. The application of a selective dissemination of information (SDI) system to a medium-sized library. Albuquerque, N.M.,

Sandia Corp. March 1969, 56 pp. (PB 182 943).

Tell, Bjorn V. Selective dissemination of information; an experimental solution to the compatibility problem. Presented at German National Commission for UNESCO/UNESCO Seminar on electronic data processing in libraries, Regensburg, Germany, April 1970. 7 pp. (unpublished).

STANDARDS

Association of Research Libraries. Resolution on the MARC II format. Library of Congress Information Bulletin 28 (27 February 1969), 130.

Auerbach Corp. Classified bibliography on bibliographic data base interaction, compatibility and standardization. Philadelphia, Pa. The author, 1969. 73 pp. (PB 183 608).

Chaplin, A. H. IFLA International Meeting of Cataloging Experts, Copenhagen, 1969. Library Resources and Technical Services 14 (Spring 1970), 292–96.

Gorman, Michael. Standard bibliographic description [for single volume and multivolume monographs]; a comprehensive and international standard for the recording of bibliographic data. Prepared for the International Meeting of Cataloging Experts Working Party on the Standard Bibliographic Description, July 1970. 28 pp. (unpublished).

Libby, Miles A. and others. Design study for project on standard operating procedures for technical library services. Bloomington, Indiana University, Research Center for Library and Information Science, 1970. 157 pp. ED 040 732.

Lochard, Jean. Automatic processing of documentation and standardization. UNESCO Bulletin for Libraries 25 (May–June 1971), 143–50.

National libraries adopt standards for EDP [electronic data processing]. Publisher's Weekly 196 (14 July 1969), 139–40.

National libraries adopt further standards. Wilson Library Bulletin 44 (September 1969), 17.

Oatfield, H. Standardization in relation to medical librarianship; a survey. *In* International Congress of Medical Librarianship, 3d, Amsterdam, May 1969. Proceedings. pp. 57–79. (Reprinted from Exerpta Medica international congress series no. 208).

Preliminary guidelines for the Library of Congress, National Library of Medicine, and National Agricultural Library implementation of the proposed American standard for a format for bibliographic information interchange on magnetic tape as applied to records representing monographic materials in textual printed form [books]. Journal of Library Automation 2 (June 1969), 68–83.

Standardization in Canadian University libraries—an approach and a proposal: a report of the AUCC Committee on Library Automation. Ottawa, Ontario, Association of Universities and Colleges of Canada, 1969. 93 pp. (LI 002 981).

Stevens, Mary Elizabeth. Standardization, compatibility and/or convertibility requirements in network planning. Final Report. Washington, D.C., National Bureau of Standards, May 1970. 399 pp. (PB 194 179).

Sumarokov, L. N. On the recursive definition of a format for communication. Journal of Library Automation 4 (June 1971), 61–3.

Truelson, Stanley D., Jr. The need to standardize descriptive cataloging. Medical Library Association Bulletin 57 (January 1969), 21–7.

United States of America Standards Institute. Committee on library work and documentation. Subcommittee on machine input records. U.S.A. standard for a format for bibliographic information interchange on magnetic tape. New York, N.Y., USASI, 1969. (USASI Z39.2-1969).

United States of America Standards Institute. Z39 committee. Subcommittee on standardization in the field of library work and documentation. Basic criteria for indexes. New York, N.Y., USASI, 1969. (USAS Z39.4-1969).

United States of America Standards Institute. Z39 committee. Subcommittee on standardization in the field of library work and documentation. U.S.A. standard for a format for bibliographic information interchange on magnetic tape, draft. Journal of Library Automation 2 (June 1969), 53–95.

Wall, E. and J. Barnes. Intersystem compatibility and convertibility of subject vocabularies. Philadelphia, Pa., Auerbach Corp., May 1969. 138 pp.

Wiginton, Ronald L. and James L. Wood. Standardization requirements of a national program for information transfer. Library Trends 18 (April 1970), 432–47.

COST STUDIES

Bourne, Charles P. and Madeleine S. Kasson. Preliminary report on the review and development of standard cost data for selected library technical processing functions. Palo Alto, Calif., Information General Corporation, 1969.

Carlson, Walter M. The economics of information transfer. Transaction of New York Academy of Sciences 31 (November 1969), 803–12.

Dolby, James L. and V. J. Forsyth. An analysis of cost factors in maintaining and updating card catalogs. Journal of Library Automation 2 (December 1969), 218–41.

Dolby, James L., V. J. Forsyth and H. L. Resnikoff. Computerized library catalogs: their growth, cost and utility, Cambridge, Mass., M.I.T. Press, 1969. 164 pp.

Dolby, J. L. and others. The cost of maintaining and updating library card catalogs. Final report. May 1969. 127 pp. ED 035 432.

Dougherty, Richard M. The Colorado academic libraries book processing center study. Library Resources & Technical Services 13 (Winter 1969), 115; 136–41.

Dougherty, Richard M. Cost analysis in libraries: is there a basis for comparison. Library Resources & Technical Services 13 (Winter 1969), 136–41.

Hargrove, Thomas L. and Keith H. Stirling. California State Library: processing center design and specifications. Vol. V: Cost analysis. Berkeley University of California, Institute of Library Research, July 1970. 101 pp.

Henderson, James W. and Joseph A. Rosenthal, eds. Library catalogs: their preservation and maintenance by photographic and automated techniques. Cambridge, Mass., M.I.T. Press, February 1969. 267 pp.

Jacob, Mary Ellen L. Standardized costs for automated library systems. Journal of Library Automation 3 (September 1970), 207–17.

Kelmkamp, John G. Managerial

cost accounting for a technical information center. American Documentation 20 (April 1969), 111–18.

Kilgour, Frederick G. The economic goal of library automation. College & Research Libraries 30 (July 1969), 307–11.

King, Donald W. and F. W. Lancaster. Costs, performance and benefits of information systems. *In* American Society for Information Science. Annual meeting, 32d, San Francisco, October 1969. Proceedings, vol. 6 pp. 501–05.

Landau, Herbert B. The cost analysis of document surrogation: a literature review. American Documentation 20 (October 1969), 302–10.

Leonard, Lawrence E. The Colorado Academic Libraries Book Processing Center project time study methodology. Library Resources & Technical Services 13 (Winter 1969), 116–27.

Locke, William N. Computer costs for large libraries. Datamation 16 (February 1970), 69–74.

Lumb, A. E. and M. Slonkova. Overdue notices in a university library. Suppl.: Cost of materials. Library Association Record 71 (April 1969), 127–28.

Maier, Joan M. Analyzing acquisitions and cataloging costs. Library Resources & Technical Services 13 (Winter 1969), 127–36.

Markuson, Barbara E. The Library of Congress systems study and its implications for automation of library processes. *In* Preconference Institute on library automation, San Francisco, Calif., June, 1967. Chicago, Ill., American Library Association, 1969.

Penner, Rudolf J. The practice of charging users for information services: a state of the art report. Journal of the American Society for Information Science 21 (January–February 1970), 67–74.

Pickup, Peter W. H., ed. Men and machines: a study of the applications of mechanisation to library processes and of the effects on staff and library users. London Eng., Library Association, 1970. 53 pp. ED 047 762.

Pings, Vern M. Monitoring and measuring document delivery service. Papers and reports, no. 2. Detroit, Mich., Kentucky, Ohio, Michigan Regional Medical Library, 1969. 18 pp. ED 035 423.

Project Intrex. Semiannual activity report; 15 September 1969–15 March 1970. Cambridge, Massachusetts Institute of Technology, March 1970. 65 pp.

Project Intrex. Semiannual activity report; 15 September 1970–15 March 1971. Cambridge, Massachusetts Institute of Technology, March 1971. 88 pp. ED 047 739.

Raffel, Jeffrey A. and Robert Shishko. Systematic analysis of university libraries: an application of cost-benefit analysis to the M.I.T. libraries. Cambridge, Mass., M.I.T. Press, 1969. 107 pp.

Ready, W. B. Catalogue retrieval: a library economy. Library Resources & Technical Services 14 (Summer 1970). 439–44.

Reintjes, J. Francis. Hardware. Library Trends 18 (April 1970), 503–19.

Reynolds, Maryan E. and others. A study of library network alternatives for the State of Washington. Final Report. Olympia, Washington State Library. November 1970. 317 pp. ED 045 862.

Robinson, F. and others. Systems analysis in libraries. Newcastle upon Tyne, England, Oriel Press, 1969. 1v.

Shoffner, Ralph M. Economics of national automation of libraries. Library Trends 18 (April 1970), 448–63.

Swets, John A. Effectiveness of information retrieval methods. American Documentation 20 (January 1969), 72–89.

Todd, H. W. Data processing costs for small libraries. Southeastern Librarian 19 (Winter 1969), 227–31.

COLLEGE AND UNIVERSITY LIBRARIES

Biswas, Subhas C. Approaches to automated systems in large academic libraries. Annals of Library Science and Documentation 16 (September and December 1970), 126–30.

Byrn, James H. Automation in university libraries — the state of the art. Library Resources and Technical Services 13 (Fall 1969), 520–30.

Dougherty, Richard M. Some reflections on CALBPC. The Colorado Academic Library 6 (Autumn 1970), 12–16.

Dougherty, Richard M. and Joan M. Maier. Colorado Academic Libraries Book Processing Center; the first six months operation. Final report, Phase III (1 January 1969–30 June 1969). Fort Collins, University of Colorado Libraries, June 1970. 322 pp.

Duchesne, R. M. and A. B. Phillips. Automation activities in British university libraries: a survey. Program 5 (July 1971), 129–40.

Fasana, Paul J. Automation efforts at the Columbia University libraries. Part 1. Washington, D.C., National Science Foundation, January 1970. 17 pp.

Fasana, Paul J. Automation efforts at the Columbia University libraries, a summary. *In* Stanford conference on collaborative library systems development, Stanford University, Calif., October 1968. Proceedings. Stanford, Calif., Stanford University Libraries, 1969. 19–41.

Fasana, Paul J. and Heike C. Kordish. The Columbia University libraries integrated technical services system. Part II. Washington, D.C. The National Science Foundation, August 1970. 65 pp.

Fasana, Paul J. and others. Computer-based systems for reserve activities in a university library. September 1969. 109 pp. ED 035 431.

Fussler, Herman H. The University of Chicago Library Automation Project, a summary. *In* Stanford conference on collaborative library systems development, Stanford University, Calif., October 1968. Proceedings. Stanford, Calif., Stanford University Libraries, 1969, pp. 10–18.

Gormley, M. M. Technology in the UW-M [University of Wisconsin-Milwaukee] library. Wisconsin Library Bulletin 66 (September 1970), 317–18.

Grant, R. S. Predicting the need for multiple copies of books. Journal of Library Automation 4 (June 1971), 64–71.

Hayes, Robert M. and Ralph M. Shoffner. Mechanization in the libraries of the University of California. University of California, Los Angeles and Berkeley, Institute of Library Research, October 1969. 23 pp.

Interlibrary access: a two-year report of the FAUL Access Committee, 1968–1970. Syracuse, N.Y. Five Associated University Libraries, September 1970. 39 pp. ED 045 090.

Jackson, W. C. Automation and the academic library. *In* Bassett, R.

J., ed. University of Tennessee library lectures, 1967–1969. University of Tennessee, 1969. pp. 33–48. ED 045 106.

Koest, Genevieve. Une experience d'automatisation a la Bibliotheque du Centre universitaire de Luminy. [An experiment in automation at the library of the University College of Luminy.] Bulletin des Bibliotheques de France 15 (September–October 1970), 475–92.

Mason, Ellsworth. Along the academic way. Library Journal 96 (15 May 1970), 1671–76.

Newly established University of California library systems development program. American Libraries 1 (December 1970), 1012–13.

Niewalda, Paul. Electronic data processing in Regensburg University library. Program 4 (July 1970), 83–8.

Niewalda, Paul and G. Preuss. Die elektronik im dienste der katalogisierung der Universitatsbibliothek Regensburg; ein erfahrungsbericht [Electronics in the service of cataloging at the University library of Regensburg; a progress report]. Zeitschrift für Bibliothekswesen und Bibliographie 16:2 (1969), 86–118.

Olsen, Wallace C. Digital storage of an academic library book collection. Nontechnological information to aid consideration. Staff paper. Boston, Mass., EDUCOM, April 1969. (Various pagings).

Orosz, Gabor. A bachumi egyetemi konyvtar gepesitese. [Mechanization of the Bochum University library]. Tudomanyos es Muszaki Tajekoztatas 16 (November–December 1969), 841–62.

Parker, Edwin B. Developing a campus based information retrieval system. *In* Stanford conference on collaborative library systems development. Stanford University, Calif., October 1968. Proceedings, 1969. p. 213–30.

Payne, Charles and Kennie Hecht. The University of Chicago's book processing system. *In* Stanford conference on collaborative library systems development. Stanford University, Calif., October 1968. Proceedings, 1969, pp. 119–27. Discussion, pp. 134–43.

Payne, Charles T. and Robert S. McGee. Comparisons of LC proofslip and MARC tape arrival dates at the University of Chicago Library. Journal of Library Automation 3 (June 1970), 115–21.

Payne, Charles T., Robert S. McGee and Ellen R. Fisher. The University of Chicago library bibliographic data processing system; documentation and report as of October 31, 1969. Chicago, Ill., University of Chicago Library, October 1970. 287 pp.

Phillips, Brian and Gary Rogers. Simon Fraser University computer produced map catalogue. Journal of Library Automation 2 (September 1969), 105–15.

Phinazee, Annette Hoage and Casper L. Jordan. Centralized library purchasing and technical processing for six colleges in Alabama and Mississippi; a report. College & Research Libraries 30 (July 1969), 369–70.

Ready, William. Bibliocenter, an essay in central processing at college level. College & Research Libraries 31 (January 1970), 50–4.

Reserve processing system: summary. New York, N.Y., Columbia University Libraries, Systems Office, October 1970. 3 pp.

Scott, W. W. Librarians, automation, and undergraduate education. Education 89 (February–March 1969), 260–62.

Shepherd, C. Automation in the academic library in the United States. *In* Comparative and international librarianship. Westport, Conn., Greenwood Press, 1970. 139–64.

Shively, Daniel. Automation at the Stabley library, Indiana. Pennsylvania Library Association Bulletin 26 (March 1971), 85–91.

Siegmann, R. M. Information systems in universities. Atlanta, Georgia Institute of Technology, School of Information Science, 1969, 81 pp.

Taylor, L. E. Challenge of automation for the established university library. African Library 36 (January 1969), 85–93.

Taylor, Robert S. The making of a library: the academic library in transition. Final report. Hampshire College, Amherst, Mass., December 1970, 332 pp. ED 047 742.

Taylor, Robert S. Planning a college library for the seventies. Education Record 50 (Fall 1969), 426–531.

Taylor, Robert S., ed. Planning for automated systems in the college library. Amherst, Mass., Hampshire College, Library and Information Transfer Center, April 1969. 25 pp.

Taylor, Robert S. and Richard W. Trueswell. The extended and experimenting college library. Appendices 1–3. Amherst, Mass., Hampshire College, 1969. 159 pp. ED 026 548.

Veaner, Allen B. Stanford University libraries. Project BALLOTS, a summary. *In* Stanford conference on collaborative library systems development, Stanford University, Calif., October 1968. Proceedings, 1969. pp. 42–9.

Woods, R. B. Use of an ICL computer in Southampton University library. Program 3 (November 1969), 111–14.

Woods, R. B. Use of a ICL computer in Southampton University library, Report No. 5. Program 5 (May 1971), 119–21.

FEDERAL LIBRARIES

Henderson, Madeline M. How the federal library community approaches the automation of information handling techniques through the Task Force on Automation. (PB-192 294-2).

Henderson, Madeline and Paul L. Berry. Progress of federal library automation. Drexel Library Quarterly 6 (July–October 1970), 249–63.

Holtz, V. The Index Medicus and MESH. Wisconsin Medical Journal 68 (March 1969), 149–52.

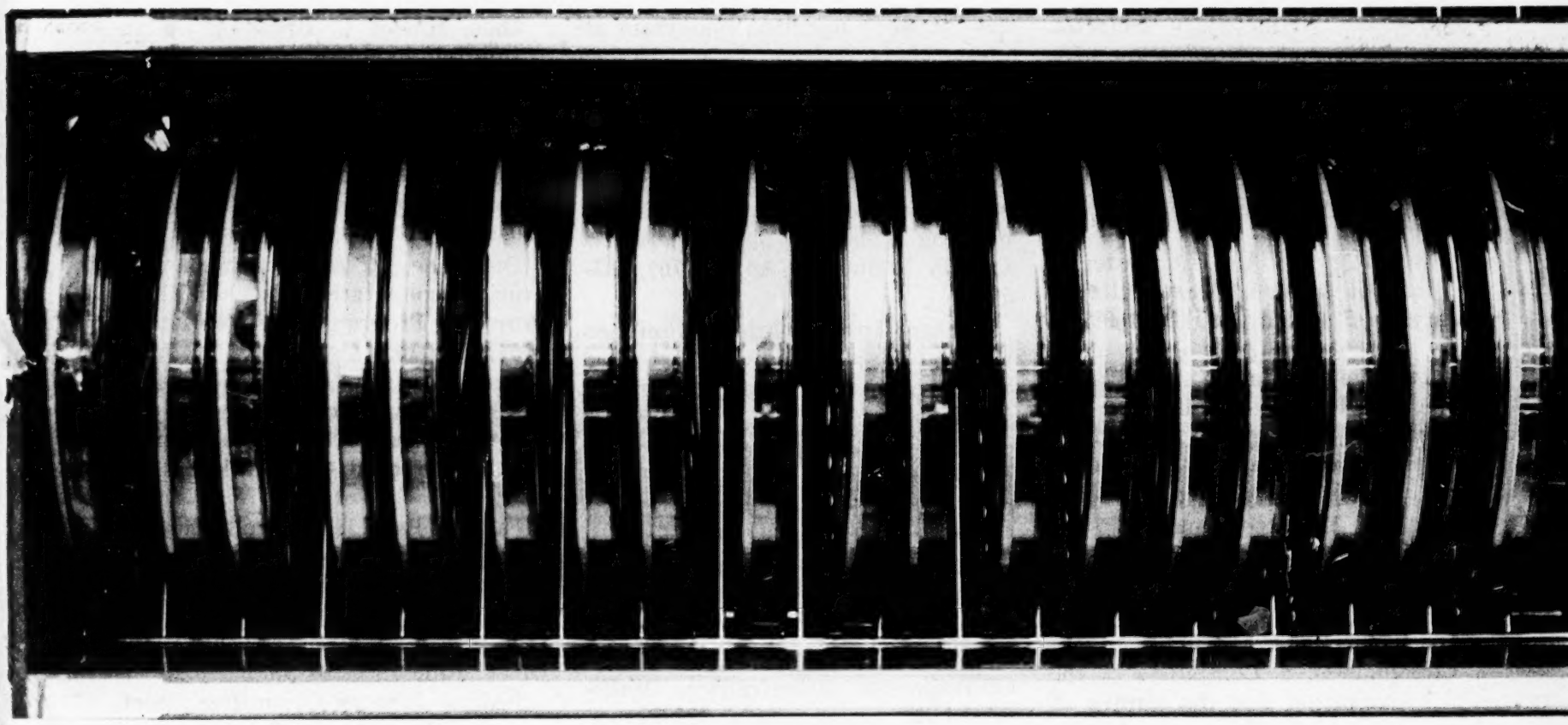
Information Dynamics Corporation. Development trends in federal library and information center automation. Final report. Bethesda, Md., Information Dynamics Corporation, June 1969. 429 pp. ED 030 773.

Lancaster, Frederick W. Evaluating the performance of a large computerized information system. Journal of the American Medical Association 107 (6 January 1969), 114–20.

Lancaster, Frederick W. MEDLARS: a multipurpose information system. Inspel 4 (1969), 22–7.

Lancaster, Frederick W. MEDLARS: report on the evaluation of its operating efficiency. American Documentation 20 (April 1969), 119–42.

Landau, Herbert B. Design criteria for a multi-input data base for the National Agricultural Library. *In* American Society for Information Science. Annual meeting, 32nd, San



Francisco, October 1969. Proceedings, vol. 6. pp. 101–04.

Markuson, Barbara Evans and others. Automation and the federal library community. Falls Church, Virginia, System Development Corporation, July 1971. (TM-WD-5402).

MEDICAL LIBRARIES

Divett, Robert T. and Wayne W. Jones. Report on the total system computer program for medical libraries. Albuquerque, University of New Mexico, Library of the Medical Sciences, 1969. 429 pp. ED 031 267.

Donahoe, Alice M. Putting automation into hospital record-keeping. Special Libraries 61. (May–June 1970), 223–28.

Farkas, I. S. and T. G. Farkas. Problems of hospital information systems. *In* American Society for Information Science. Annual meeting, 33d, Philadelphia, 1970. Proceedings, vol. 7. pp. 167–69.

Martin, Don H. MARC tape as a selection tool in the medical library. Special Libraries 61 (April 1970), 190–93.

Pings, Vern M. The health science library as an object of study. Detroit, Mich., Wayne State University, Library and Biomedical Information Center, 1969. 15 pp. ED 032 891.

Reimers, Paul R. and Henriette D. Avram. Automation and the Library of Congress 1970. Datamation 16 (June 1970), 138–43.

Stevens, Norman D. MEDLARS: a summary review and evaluation of three reports. Library Resources & Technical Services 14 (Winter 1970), 109–21.

PUBLIC LIBRARIES

Brighton computerized. Liaison (July 1969), 55.

Christenson, H. L. Milwaukee will soon push a button: computerized operations of the Milwaukee public library. Wisconsin Library Bulletin 66 (September 1970), 311–16.

Clapp, Verner W. Public libraries and the network idea. Library Journal 95 (15 January 1970), 121–24.

Davis, Charles H. and Peter Hiatt. An automated current-awareness service for public libraries. Journal of the American Society for Information Science 21 (January–February 1970), 29–33.

Denniss, R. C. Camden public libraries. Program 5 (January 1971), 5–7.

Estrada, R. and S. Estrada. New York public library dance collection gets a computerized catalogue. Dance Magazine 43 (March 1969), 50+pp.

Parr, Thomas. Library automation at the New York public library and the Association of New York Libraries for Technical Services. LARC Reports 3 (Fall 1970), 103 pp.

SCHOOL LIBRARIES

Blair, John R. and Ruby Snyder. An automated library system: project LEEDS. American Libraries 1 (February 1970), 172–73.

Brieland, Mildred. Centralized data processing for libraries in the Albuquerque public schools. Drexel Library Quarterly 5 (April 1969), 92–100.

Corbin, James B. The district and its libraries—Tarrant County junior district, Fort Worth, Texas.

Flora, Betty and John Willharst. High school library data processing. Journal of Library Automation 2 (March 1969), 10–19.

Greensboro Public Schools. Centralized ordering, cataloging and processing of library materials. Greensboro, North Carolina, 1969. 39 pp.

Holmes, R. and G. M. Lively. Computer processing for all media in Madison schools. Wisconsin Library Bulletin 66 (September 1970), 319–24.

Long, Marie, ed. Data processing for school libraries. Drexel Library Quarterly 5 (April 1969), 63–123.

McCauley, E. Computers in school libraries. School Libraries 20 (Winter 1971), 28–32.

McCusker, Sister Mary Lauretta. Implications of automation for school libraries—Part 2. School Libraries 18 (Fall 1969), 15–22.

Stone, Walter. Improved school library service through automation. Drexel Library Quarterly 5 (April 1969), 73–9.

Swanson, Mary Ann. Computer in the school library. Drexel Library Quarterly 5 (April 1969), 101–03.

SPECIAL AND TECHNICAL LIBRARIES

Becker, Joseph. Automation fundamentals for special librarians. Drexel Library Quarterly 5 (October 1969), 189–246.

Brenner, Everett H. and D. P. Helander. Petroleum literature and patent retrieval; centralized information processing. Special Libraries 10 (March 1969), 146–52.

Copobianchi, S. Computers of the third generation and the library of Ispra Center. *In* European Atomic Energy Community — EURATOM; Meeting of European librarians working in the nuclear field, 5th, Stresa, Italy, April 1968. Luxembourg, Belgium, Center for Information and Documentation, 1969. 37–43.

Mathews, Max V. and W. Stanley Brown. Research libraries and the new technology. *In* On Research Libraries. Cambridge, Mass., M.I.T. Press, 1969. 59–76.

Murphy, Mary. Map collection prepares to automate. Special Libraries 61 (April 1970), 180–89.

Neufeld, Irvin H. Data processing applications in an industrial library system. Special Libraries 61 (April 1970), 161–67.

Neumuller, Otto-Albrecht. Rationalisierung im chemischen publikationswesen automatische erstellung vollstandiger register aus manuskripten mittels lochstreifenschreibmaschine und komputer. Thesis. [Rationale in chemical publishing for automatic compilation of a complete listing from documents via MTST and computer.] University of Göttingen, 1969.

Technical abstract bulletin on tape. JOLA/Technical Communications, 1:12.

Technical serials in Kentucky, American Libraries, 1:10 (October 1970), 282–88.

NETWORKS AND COOPERATION

Academic and research libraries; new network member. Bookmark 28 (June 1969), 294–95.

Automation research: feasibility of using shared computer facilities. Liaison (May 1969), 35.

Avram, Henriette D. Bibliographic and technical problems in implementing a national library network. Library Trends 18 (April 1970), 487–502.

Becker, Joseph. Information network prospects in the United States. Library Trends, 17 (January 1969), 306–17.

Becker, Joseph. Interlibrary communications and information networks conference. Newsletter of the American Society for Information Science, 9 (November–December 1970), 1.

Bergh, L. ADB: Centralisering och decentralisering [Data processing: Centralize or decentralize]. Biblioteksbladet 54: 10 (1969), 991–92.

Budington, William S. Interrelations among special libraries. Library Quarterly 39 (January 1969), 64–77.

Carnovsky, L. Library Networks—Promise and Performance. Thirty-third Conference of the Graduate Library School (July 29–31, 1968). Chicago, Ill., University of Chicago Press. 1969.

Carnovsky, Leon. Introduction to the Proceedings of the thirty-third Annual Conference of the Graduate Library School of the University of Chicago, (July 29–31, 1968); Library Networks: Promise and Performance. Library Quarterly 39 (January 1969), 1-2.

Cayless, C. F. and R. T. Kimber. The Birmingham libraries cooperative mechanization project, Program 3 (July 1969), 75–9.

A communications system for Wyoming libraries: a study, with recommendations. Denver, Colo., Bibliographical Center for Research, Rocky Mountain Region, Inc. March 1968. 53 pp. ED 044 161.

Cory, John Mackenzie. The network in a major metropolitan center. [Metro, New York]. Library Quarterly 39 (January 1969), 90–8.

Curram, Ann T. Library networks; cataloging and bibliographic aspects. *In* University of Illinois, Graduate School of Library Science Clinic on Data Processing. Urbana (April 27–30, 1969). 31–41.

Dale, Hester L. Breaking the information network barrier. Special Libraries 60 (January 1969), 17–20.

Driver, E. H. C. and others. The Birmingham libraries cooperative mechanization project: a further report. Program 4 (October 1970), 150–55.

Duchesne, R. M. Birmingham libraries cooperative mechanization project. Program 3 (November 1969), 106–10.

Farquhar, J. A. and J. A. Dei Rossi. Alternative technologies for information networks. Santa Monica, Calif., The Rand Corporation, 1969, p. 8.

Fasana, Paul J. The collaborative library systems development project: a mechanism for interuniversity cooperation. New York, N.Y. Columbia University Libraries, Systems Office, June 1970. 10 pp.

Federal Library Committee. Meetings. Implications to the federal library community of the AIRLIE conference on interlibrary communications and information networks, September–October 1970: Proceedings. Federal Library Committee, June 1971. 22.

Forrester, George. The Scarborough information network, Canada. UNESCO Bulletin for Libraries, 23 (January–February 1969), 22–4.

Gaines, E. J. The large municipal library as a network. *In* Library Networks—Promise and Performance, L. Carnovsky, editor. Chicago, Ill., University of Chicago Press, 1969.

Goldstein, S. Project NELINET (New England library information network), a regional center. New England Library Association Newsletter 1 (January 6–7, 1969).

Goldstein, Samuel and others. Development of a machine form union catalog for the New England Library Information Network (NELINET). Final report. Wellesley, Mass., New England Board of Higher Education. September 1970. 220 pp. ED 043 367.

Grosch, Audrey N. and E. D. Lourey. Hardware/software requirements information for a Minnesota computer-aided library system. Minneapolis, Minnesota University. March 1970. 69 pp. ED 044 157.

Guidelines for a pilot library system. Louisiana Library Association Bulletin 32 (Spring 1969), 20–22.

Heron, D. W. Florida library association: the weaving of networks and clothes for the emperor. Florida Libraries 20 (June 1969), 59–63.

Higham, Norman. Southwest University libraries systems cooperation project. Program 3 (July 1969). 80–1.

Holt, C. C. A system of information centers for research and decision-making. Report, January 30, 1970.

Humphry, J. A. New York looks ahead, a challenge to California. News Notes California Libraries 63 (Fall 1968). 441–53.

Interlibrary cooperation and cooperative library networks. Mountin-Plains Library Quarterly (Spring 1969), 24–26.

Katter, Robert V. and Donald A. Blankenship. On-line interfaces for document information systems: considerations for the Biomedical Communications Network. Santa Monica, Calif., June 3, 1969. 58 pp.

Kilgour, Frederick G. A regional network; Ohio College Library Center. Datamation 16 (February 1970), 87–9.

Kurtz, Helen G. Centralized processing diversified. Library Journal 95 (15 May 1970), 1807–12.

Lacy, D. The traditional library. *In* Library Networks—Promise and Performance, L. Carnovsky, ed. Chicago, Ill., University of Chicago Press. 1969.

Leads—Library Experimental Automated Demonstration System; an integrated automated library system. Oregon Total Information System, Eugene, Oregon (May 1970). 11.

Mathews, Anne. Hurdles, problems, rewards: a total system concept at work. American Libraries 1 (February 1970), 151–53.

McAllister, C. and J. M. Bell. Human factor in the design of an interactive library system. Journal of the American Society for Information Science 22 (March 1971), 96–104.

McCarn, Davis B. The Biomedical Communications Network, Bulletin Medical Library Association 3 (October 1969), 323–28.

Nance, Richard E. Analytical model of a library network. Journal of the American Society for Information Science 21 (January–February 1970), 58–66.

Nelson Associates, Inc., New York, N.Y. Interlibrary team in New York State; a report prepared for the Division of Library Development of the New York State Library. New York, N.Y., Nelson Associates, Inc., 1969. [illegible] pp. ED 028 794.

New England Board of Higher Education. Development of a machine form union catalog for the New England Library Information Network (NELINET). Final report. Wellesley, Mass., New England Board of Higher Education, September 1970. (Various pagings.)

New grant for library information network. Bulletin of the Medical Library Association 57 (July 1969), 303–04.

Overhage, C. F. J. Information Networks. In Annual Review of Information Science and Technology. Chicago, Ill., Encyclopaedia Britannica. 1969. pp. 339–77.

Parker, Ralph H. Computers, communication and library cooperation. International Library Review 1 (July 1969), 307–15.

Paulson, Peter J. Networks, automation and technical services; experience and experiments in New York State. Library Resources & Technical Services 13 (Fall 1969), 516–19.

Pizer, Irwin H. A regional medical library network. Bulletin of the Medical Library Association 57 (April 1969). 101–15.

PRLC-OCLC network. Ohio College Library Center Newsletter (December 4, 1970), 1.

Redmond, D. A. Network characteristics, catching fish or looking for loopholes? Special Libraries 62 (July–August 1971), 257–64.

Slamecka, Vladimir. Methods and research for design of information networks. Library Trends 18 (April 1970), 551–68.

Stanford Conference on Collaborative Library Systems Development. Proceedings of a conference held at Stanford University Libraries (October 4–5, 1968). Stanford, Calif., 1969. 233 pp.

Wahrheit, I. A. Design of library systems for implementation with interactive computer. Journal of Library Automation 3 (March 1970), 65–78.

Whitesides, W. L. Cooperative catalog pilot project: Fairfax County public library and Northern Virginia Community College. D. C. Libraries, 40 (Summer 1969), 48–50.

Wisconsin Department of Public Instruction. A plan for a Wisconsin library and information network: knowledge network of Wisconsin. Madison, Department of Public Instruction, 1970. 102 pp.

Wolk, L. J. van der. National and international cooperation in library automation. *In* Anglo-Czech conference of information specialists, 1967. London. Library systems and information services: proceedings. Archon Books, Lockwood. 1970.

Wolpert, Bernard. A working library network. American Libraries 1 (June 1970), 570–72.

NONPRINT MEDIA

Avedon, Don M. Computer output microfilm: an NMA survey of the field. The Journal of Micrographics 3 (Fall 1969/1970), 7–12.

Avedon, Don M. An overview of the computer output microfilm field. *In* American Federation of Information Processing Societies. AFIPS Conference proceedings, vol. 35, 1969. Fall Joint Computer Conference, Las Vegas, Nevada, November 1969. pp. 613–23.

Becker, Joseph. Telecommunications primer. Journal of Library Automation 2 (September 1969), 145–56.

Burnham, Dwight C. Microfilm as computer memory. *In* National Microfilm Association. Proceedings of the Eighteenth Annual Meeting and Convention. Vernon D. Tate, ed. Annapolis, Maryland, 1969. pp. 185–91.

Canadian Library Association. Library telecommunications code. Ottawa, Canada, February 1969. 32.

Davis, R. M. Technology in support of medical education, report. Washington, D.C., Lister Hill National Center for Biomedical Communication, February 1969.

Deahl, Thomas F. and Vincent Rauzino. Auerbach on computer technology: computer output microfilmers — part I. Data Processing Magazine 11 (August 1969), 34–38, part II. Data Processing Magazine 11 (September 1969), 60–64.

Dorrance, Don. The application of microtechnology in research libraries. *In* Micrographics in Modern Information Systems Conference. Col-

lege Station, Texas. June 1969. Proceedings. College Station, Texas A&M University, 1969, pp. 18–34.

Frankie, Martin N. Computers and microfilm. *In* National Microfilm Association. Proceedings of the Eighteenth Annual Meeting and Convention. Vernon D. Tate, ed. Annapolis, Md., 1969. pp. 233–39.

Harmon, George H. The computer-microfilm relationship. Special Libraries 62 (July–August 1971), 279–282.

Heron, David. Telefacsimile in libraries: progress and prospects. UNESCO Bulletin for Libraries 23 (January–February 1969), 8–13.

Holmes, Donald C. The needs of library microform users. In National Microfilm Association. Proceedings of the Eighteenth Annual Meeting and Convention. Vernon D. Tate; ed. Annapolis, Md., 1969. pp. 256–60.

Jacobs, James W. Applying automation to the school system media program. Drexel Library Quarterly 5 (April 1969), 117–23.

Kottenstette, James P. A study of the characteristics of ultrafiche and its application to colleges and universities [a review]. *In* National Microfilm Association. Proceedings of the Eighteenth Annual Meeting and Convention. Vernon D. Tate, ed. Annapolis, Md., 1969. pp. 264–66.

Microfiche services and libraries: a survey. IMC Journal, 7 (Second Quarter 1969), 26.

Microfilm claimed tops for library catalog. Library Journal 94 (15 May 1969), 1936.

Morehouse, Harold G. The future of telefacsimile in libraries; problems and prospects. Library Resources and Technical Services 13 (Winter 1969), 42–6.

Otten, Klaus. A hypothesis: microform will become the major medium for "new information" in reference libraries. Journal of Micrographics 4 (July 1971), 265–73.

Parks, B. The computer micrographics interface. *In* The role of micrographics in modern information systems, Texas A & M University, June 1969.

Scott, Peter. Scholars and researchers and their use of microforms. NMA Journal 2 (Summer 1969). 121–26.

Smitzer, L. A. Looking ahead in microfilm and information retrieval. NMA Journal, 2 (Spring 1969), 77–82.

Ultrafiche in U.K. Information Retrieval and Library Automation Letter, 5 (June 1969), 8–9.

Ultrafiche publishing: answer to librarians' laments. The Microfilm Newsletter (October 1969), 4.

Vento, Charles J. A systems approach for automating the cataloging and distribution of educational motion pictures. Final report. Thesis, Los Angeles, University of Southern California, School of Education, 1969. 260 pp.

Wolf, D. R. Microfilm and computers: emerging COM [computer output microfilming] technology combines reproduction with computer's ability to update and organize information. Microdoc 9 (February 1970), 36–41.

Wooster, H. Microfiche 1969—a user survey. Journal of Chemical Documentation, 1970. 13–17.

© Copyright 1972 American Library Association

"Anybody here speak FORTRAN?"